

CONVENTION ON WETLANDS (Ramsar, Iran, 1971)

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Nagao Wetland Fund (NWF) Section B “Request for Funding” Form

Note. Please complete and enclose both Section B.1 “Project Summary and Endorsement Form” and Section B.2 “Detailed Project Proposal”, following the section structure and guidance provided below on what to include in each section of the proposal. Thank you.

Section B.1 Project Summary and Endorsement Form

Please fill in sections a, b, c, f, g, h and i, and either section d or section e.

- a. Country requesting support: **Cambodia**
- b. Title of project proposal: **Empowering government rangers and local community for Stung Sen Ramsar Site Management, Cambodia**
- c. Category of assistance requested (please consult the Operational Guidelines and indicate one option only):

Contracting Parties:

- Implementation of the Convention Strategic Plan 2016-2024. Please indicate relevant Goals and Targets (s):

Goal 1: Addressing the Drivers of Wetland Loss and Degradation

Target 3: The public and private sectors have increased their efforts to apply guidelines and good practices for the wise use of water and wetlands.

Target 4: Invasive alien species and pathways of introduction and expansion are identified and prioritized, priority invasive alien species are controlled or eradicated, and management responses are prepared and implemented to prevent their introduction and establishment

Goal 3: Wisely Using All Wetlands

Target 9: The wise use of wetlands is strengthened through integrated resource management at the appropriate scale, inter alia, within a river basin or along a coastal zone.

Target 10: The traditional knowledge, innovations and practices of indigenous peoples and local communities relevant for the wise use of wetlands and their customary use of wetland resources are documented, respected, subject to national legislation and relevant international obligations, and fully integrated and reflected in the implementation of the Convention, with a full and effective participation of indigenous peoples and local communities at all relevant levels.

Target 11: Wetland functions, services and benefits are widely demonstrated, documented and disseminated.

Goal 4: Enhancing Implementation

Target 16: Wetlands conservation and wise use are mainstreamed through communication, capacity development, education, participation and awareness.

Please fill in **either** section **d** or section **e** below:

d. If the financial support sought from the NWF is requested to carry out part of a larger project, please indicate:

- Title of the main project:
- Duration of the main project:
- Total cost of the main project:
- Amount requested from the NWF:
- Have the main project and the other funds been approved: Yes No
- If yes, please indicate the sources of these funds, showing whether the source is in-country or external:

e. If the proposed project is a stand-alone activity, please indicate:

- Duration of the activities to be covered by NWF grant: **1 year**
- Amount requested from NWF: **USD 18,000**
- Other financial contributions (including in-kind) – indicate whether these are from in-country or external sources:

NatureLife Cambodia will provide in-kind contribution with USD 4,000 to cover office running costs of project staff and some costs of stakeholder forums during the project implementation.

f. Name, address (including phone/fax numbers and e-mail address) and website of the recipient agency, i.e. the institution responsible for the project, specifying the name and contact details of the person responsible for preparing and executing the project.

Name: NatureLife Cambodia (NLC)

Address: #32A, St. 494, Sangkat Phsar Deurm Tkov, Khan Chamkarmon, Phnom Penh, Cambodia

Website: www.naturelifecambodia.org

Key Contact: Bou Vorsak, Chief Executive Officer

Email: vorsak.bou@birdlife.org/vorsak.bou@naturelifecambodia.org

Tel: +855 (0)12-222-073

g. Summary (maximum 500 words)

Describe background, justification, objectives and intended follow-up. Indicate if the project will be carried out in a Wetland of International Importance (Ramsar Site) or how it otherwise contributes to the implementation of the Convention Strategic Plan 2016-2024 and the fulfillment of its objectives:

Stung Sen (STS) Ramsar site is the unique seasonally flooded freshwater swamp forest in Cambodia. This wetland covers 9,293 ha of the south-eastern edge of the Tonle Sap Great Lake, enclosed by gallery forests, low-stature shrubland, inundated trees, and extensive mats of herbaceous, aquatic vegetation. The vegetation is strongly influenced by the water exchange between the Mekong River, the Stung Sen River, and the Tonle Sap Great Lake, which creates a high level of aquatic productivity that supports the human livelihood and unique faunal community of globally endangered species, including Mekong giant barb, striped catfish, golden carp, yellow-head temple turtle, hairy-noised otter, and Indochinese silvered langur.

However, local communities are less aware of the values in this wetland as barely they know about the designation of Stung Sen as Ramsar site. In recent years, there have been very few awareness-raising activities around STS Ramsar site. The lack of cooperation from local authorities and participation of local communities also remain unresolved problems. While there is less intervention from local people, this wetland has been interrupted by an invasive alien plant, namely *Mimosa pigra*, which has physical and economic impacts upon natural habitat, community livelihoods, and the ecosystem.

This proposed project aims to increase awareness of local communities, empower government rangers and CPA committee, and engage young students and teachers through a series of awareness-raising campaigns, stakeholder forums, and environmental education programs that allows transparent dialogues and discussion about the values of Stung Sen Ramsar site and environmental knowledge. This project will bring together multiple stakeholders, government rangers, NGOs, local authorities, community leaders, young students and teachers on a round table to share experience and resources that improve local connections and networks, which contributes efforts towards addressing challenges and building cooperation. Conservation approaches and action plans for endangered species conservation and Ramsar site protection will be drafted and integrated with the Management Plan of STS Ramsar site. In addition, a local group of stakeholder committees and ECO Club of students will be established to lead awareness-raising campaigns and environmental educations at schools and around their communities. These two groups will work together to manage *Mimosa pigra* by hosting education programs at floating schools and conducting removal activities.

The project will contribute to the Convention of Strategic Plan as follows:

Goal 1, Target 3-4: By raising awareness and engaging local communities, the project will increase the understanding and knowledge of drivers of wetland loss and degradation in order to alter their practices and behaviors to mitigate the spreading of invasive alien species in STS Ramsar site.

Goal 3, Target 9-11: By bringing together local authorities, communities, and students, the practices and perspectives of local community in wetland wise use will be respected, addressed, and documented in action plans, brochures, and posters.

Goal 4, Target 16: Wetland conservation and wise use will be mainstreamed throughout the environmental education programs, stakeholder forums, and awareness-raising campaigns. In addition, the project activities will be wisely posted for public visibility on the Facebook page of NatureLife Cambodia.

h. Endorsement of this project application by the Administrative Authority of the Convention:
Please confirm the importance of this proposed project in relation to your national Convention implementation priorities. **Please tick (✓) only one of the following statements:**

1. The project's outcomes will deliver significantly increased implementation capacity for a high national priority.	<input checked="" type="checkbox"/>
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Institution/Agency: **General Directorate of Natural Protected Area**

Name/Title: **Dr. Srey Sunleang/Deputy Director General/Ramsar National Focal Point**

Date: 31/03/2022

Signature: 

Please return this form along with the Detailed Project Proposal to:
Nagao Wetland Fund (NWF), The Secretariat of Convention on Wetlands,
28 Rue Mauverney, CH-1196 Gland, Switzerland. E-mail: asia.oceania@ramsar.org

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Web site: www.ramsar.org

Section B.2

Structure and contents of Detailed Project Proposal

Notes:

- i) Please follow the section headings and sequence and the guidance for what to include in each section.
- ii) Please use a maximum of **five (5) pages** (A4 size paper) to provide detailed information on your proposal, following the headings and instructions given below. Please do not use margins of less than 1.5 cm, and do not use letters smaller than 10-point font size.

Details of proposal

A. Background and justification

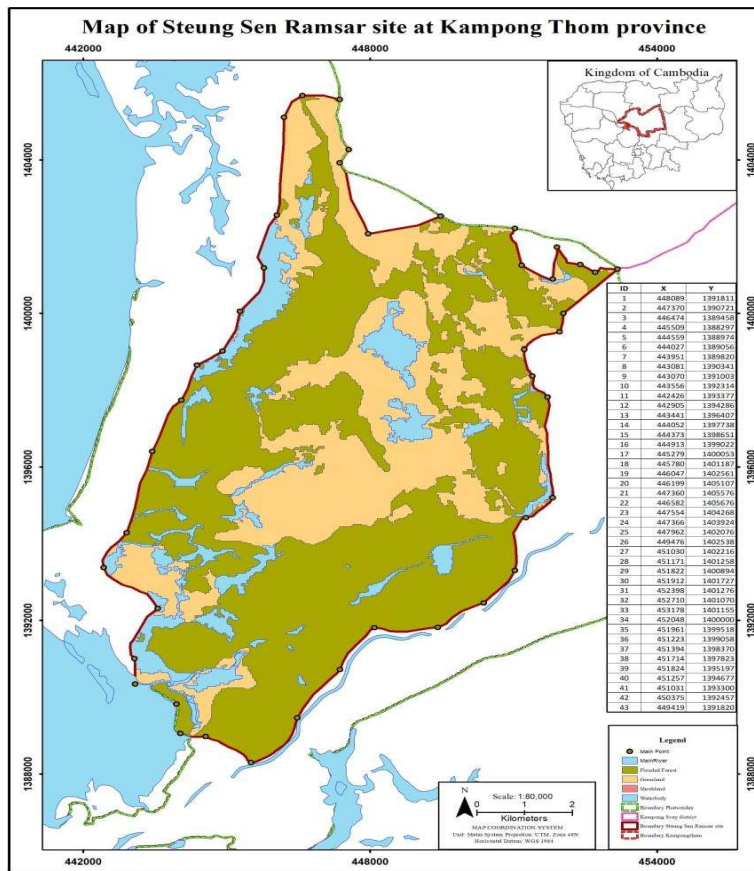
Background information should provide basic factual and descriptive information to put the problem(s) in its local, provincial, national, or regional context, including relevant sectoral information, government objectives, policies, plans, and ongoing programmes. The amount of background information presented should be limited to what is essential to understand the current circumstances. Describe briefly the human population living in the project area and, if the project will be carried out at a certain location, the site should be described and ideally a map should be attached to show the location.

Background

Stung Sen (STS) Ramsar site is one of the unique seasonally flooded freshwater swamp forests of Tonle Sap Great Lake in Cambodia. This wetland was designated as Cambodia's fifth Ramsar Site (site number: 2365) in November 2018 over the area of 9,293 ha located in Phat Sanday Commune, Kampong Svay District, Kampong Thom Province. STS Ramsar site lies on the intact area along the south-eastern edge of the Tonle Sap Great Lake, enclosed by gallery forests, low-stature shrubland, inundated and submerged trees, and extensive mats of herbaceous, aquatic vegetation. The vegetation of STS is strongly influenced by the water exchange between the Mekong River, the Stung Sen River, and the Tonle Sap Great Lake. The dominant vegetation of STS Ramsar site is open deciduous dipterocarp forest, permanent and seasonal wetlands and grasslands. The forests in the region are flooded in the rainy season. In the dry season, water recedes, leaving water only in a few permanent watercourses like the Stung Sen river and its larger tributaries and in small pools. These water bodies support semi-evergreen forest and thick bamboo forests.

Stung Sen Ramsar site is geographically well suited to support a large collection of species of plants, fish and aquatic birds, most of which are listed as endangered or endangered. The site is an important spawning ground for several fish species such as Jullien's golden carp (*Probarbus jullieni*) and small scale mud carp (*Cirrhinus microlepis*), a migratory pathway and feeding ground for waterbirds, and an important habitat for mammals. It is regionally important for supporting a number of globally threatened species such as Mekong giant barb, striped catfish, golden carp, yellow-head temple turtle, hairy-noised otter, and Indochinese silvered langur (Birdlife Cambodia, 2018).

Geographic condition of Stung Sen Ramsar site provides high level of aquatic productivity that supports the human livelihood. A population of 5,252, equals to 1,164 households is living in the wetland. Their major incomes are from fisheries and seasonal vegetable farming. However, the change in land use in the region, in particular an increase in rice cropping, has been a significant factor in the spread of *M. pigra*, with neglected or abandoned fields being particularly susceptible to invasion (Mihara, 2018).



Map of Stung Sen Ramsar site, Cambodia

Stung Sen Ramsar site is currently under the management of Ministry of Environment and Ministry of Agriculture, Forestry and Fisheries with different aspects of works and responsibilities as in the following:

Ministry of Environment

- **Department of Fresh Water Wetland Conservation** has key roles and responsibilities in Stung Sen Ramsar site, such as drafting policies, plans and budgets, legal documents, strategies, action plans and technical guidelines for the management and conservation of this wetland.
- **Kampong Thom Provincial Department of Environment** oversees site manager and government rangers to directly work on the ground by conducting biodiversity monitoring and law enforcement. Currently, there are only 9 governments rangers based in two stations to manage the whole 9,293 ha of Stung Sen Ramsar site.
- **Toul Neang Sav Plov Loung Community Protected Area (CPA)** has recently established with the structure of 9 committees and 163 members by the Ministry of Environment. With financial and technical support from NatureLife Cambodia, this CPA has been able to join regularly with government rangers in biodiversity monitoring and law enforcement for the protection and conservation of natural resources of Stung Sen Ramsar site.

Ministry of Agriculture, Forestry and Fisheries

- **Fisheries Administration** supports the management, conservation and development of sustainable fisheries resources that contribute to ensuring food security, raising people's living standards, socio-economic development and national development. Large part of Stung Sen Ramsar site is managed by the Fisheries Administration.

B. The problem(s) to be addressed

In this section identify the problem(s) that can usefully be addressed by this project and covered by the objectives described in Section C. Determine the underlying causes of the problem(s) and the aspects that can be addressed by this proposal with NWF support.

In recent years, there have been very few awareness-raising activities and stakeholder engagement conducted in Stung Sen Ramsar site. Local communities are less aware of the values in Stung Sen Ramsar Site as barely they know about the designation of Stung Sen as Ramsar site. Also, the lack of cooperation from local authorities and active participation of local communities in protecting and conserving natural resources in Stung Sen Ramsar site remain unresolved problems. While there is less intervention from local communities, this wetland has been interrupted by an invasive alien plant, namely *Mimosa pigra* (*M. pigra*). This invasive species has had significant physical and economic impacts upon the natural habitat, community livelihoods, animals and plants, human health, jobs and the ecosystem. A research study on the impact of *Mimosa pigra* on community livelihood in Stung Sen Ramsar Site conducted by the University of Tokyo showed that *Mimosa pigra* has the most significant impact factor (60%) on community livelihood in relation to earning income, compared to 20% by illegal fishing, and 20% by climate change and poisoning (Mihara, 2018).

Several methods have been applied in the developed countries to control the quick invasion of *M. pigra*, including physical controls, chemical controls, and biological controls (Marko, 1999). In Cambodia, three methods have been applied. Chemical method involves bark spraying, stem injection and soil treatments with burning. Unfortunately, due to the SCCA being located inside the Tonle Sap Protected Areas, herbicide usage is not recommended, and this method could provide negative impacts on the water quality and natural habitat, especially if there is over-usage of the herbicides or their use is uncontrolled. Biological control is the use of “Bio-agents” to destroy stems, flowers, leaves, seeds, or roots of *M. pigra*, but there is no evidence that biological controls succeed in eliminating the weed. Physical methods are applied by hand clearance to cut stumps, uproot seedlings and stumps, and burn. Among these three methods, according to the results of experiment conducted by BirdLife International at Boeng Prek Lpov Protected Landscape in Takeo Province, physical method is recommended to be undertaken on small scale of land up to 50 hectares.

With the support from NWF, this proposed project will conduct awareness-raising campaigns, stakeholder forums, and environmental education programs that allows transparent dialogues and experience sharing sessions about the values of Stung Sen Ramsar site and environmental knowledge. Stakeholder Forum will be conducted to bring together multiple stakeholders, government rangers, NGOs, local authorities, community leaders, local young students and teachers on a round table to share experience and resources and to improve local connections and network, which contributes efforts towards addressing key challenges, building cooperation, and documenting for use as references to develop the conservation strategies for Ramsar site management and community development. Conservation approaches and action plans for endangered species conservation and Ramsar site protection will be drafted and integrated with the Management Plan of Stung Sen Ramsar site, which is currently in the process of reviewing. Following the discussion, the draft action plans will be reviewed and shared to the Kampong Thom Provincial Department, Department of Freshwater Wetland Conservation of Ministry of Environment, and NGOs for further revision and technical inputs in future plans for the Ramsar site protection.

Besides, a local group of stakeholder committees and ECO Club of middle school students will be established to lead awareness-raising campaigns and environmental educations at schools and around their communities. These two groups will work together to manage invasive alien species (*Mimosa pigra*) in key spots of Stung Sen Ramsar Site by hosting education programs at floating schools and conducting removal activities of the alien invasive species. For effective control on the *Mimosa pigra*, regular monitoring and provisions must be undertaken for quick actions to remove any new outbreaks. The local group will arrange two separate monitoring activities following each removal activities to get to observe

the target site on leftover Mimosa plants, new seedlings, or space for habitat restoration and take action accordingly. If they see mature plants of *Mimosa pigra*, the seed pods will be removed and main stem at the base of the plant will be cut down. For new seedlings, weeding will be taken to reduce the number of mature plants in the future. If there is sufficient space that provide natural vegetation, the local group will encourage the growth or even plant native species to help prevent re-infestation. During the monitoring, the local group will assign ten people with two boats (5 people per boat) to check the target site, and they will collect and share records of their tracks and measurement of area of dead Mimosa plants and new seedlings for further evaluation.

C. Objective(s)

General Objective(s):

The project will increase the understanding and appreciation of the importance of Ramsar Site among key stakeholders that uplifts community participation and youth engagement in addressing drivers of wetland loss and degradation, wise use of Stung Sen Ramsar site. It will contribute to the Convention of Strategic Plan 2016-2014 as follows:

Goal 1, Target 3-4: By raising awareness and engaging local communities, the project will increase the understanding and knowledge of drivers of wetland loss and degradation to government rangers and local people to alter practices and behaviors to mitigate the spreading of invasive alien species in STS Ramsar site.

Goal 3, Target 9-11: By bringing together local authorities, communities, students and teachers through stakeholder forums, different perspectives towards the values and practices in wetland wise use will be respected, addressed, and documented in action plans, brochures and posters.

Goal 4, Target 16: The wetland conservation and wise use will be the main topic throughout the environmental education programs, stakeholder forums and awareness-raising campaigns. In addition, the project activities will be wisely posted for public visibility on the Facebook page of NatureLife Cambodia.

Specific Objective(s):

- (i) To empower government rangers and local organizations' committees in awareness-raising campaigns about the importance of Stung Sen Ramsar Site to local communities and young students;
- (ii) To increase the transparency and build engagement with stakeholders, local communities and youth for Ramsar site management and governance;
- (iii) To engage young students and local communities for alien invasive species control.

D. Outputs

- 1) Awareness about the values and designation of Stung Sen Ramsar Site to young students, CPA, CFI and local communities for more participation and cooperation in Ramsar Site Management;
- 2) Communication Channel of key stakeholders and government rangers and Action plans for endangered species and Ramsar Site Management;
- 3) Volunteer Group of local community and young students for *Mimosa pigra* control in at least 50 hectares of Stung Sen Ramsar Site.

E. Activities

Output 1: Awareness about the values and designation of Stung Sen Ramsar Site to young students, CPA, CFI and local communities for more participation and cooperation in Ramsar Site Management

- 1.1 Consultation with government rangers, local authorities, CPA, CFI, School director and NGOs to address ideas and recommendations awareness-raising program and learning session at schools and local communities
- 1.2 Discussion with School Director and students of Phat Sanday middle school to develop learning sessions and establish ECO Club for awareness campaign at floating schools and communities

- 1.3 Design and printing brochures, posters, T-shirt, and hats for awareness-raising campaigns at floating schools and communities
- 1.4 Conduct learning session at Phat Sanday Middle school (Guest speakers: government rangers, CPA committee, FACT, RECOFTC, Ministry of Environment) (3 sessions)
- 1.5 Facilitate government rangers, CPA, CFI, young students and teachers to conduct awareness-raising campaigns at floating villages along Stung Sen River, where boat will be needed for the transportation throughout the activities (2 campaigns)

Output 2: Communication Channel of key stakeholders and government rangers and Action plans for endangered species and Ramsar Site Management

- 2.1 Consultation with rangers and commune chief to address key stakeholders in Ramsar Site Management
- 2.2 Organize Stakeholder Forums to address feasible cooperation and action plans for endangered species conservation and Ramsar site protection
- 2.3 Review and develop the top 5 priorities of action plans and share with site manager, local authorities, communities, partners, and MoE

Output 3: Volunteer Group of local community and young students for Mimosa Pigra Control in at least 50 hectares of Stung Sen Ramsar Site

- 3.1 Consultation with rangers, local authorities and community to identify area of 50-hectare land plot for long term control of Mimosa pigra with mitigation strategies and plans in Stung Sen Ramsar site
- 3.2 Data collection to produce a map of Mimosa pigra in Stung Sen Ramsar site and the target plot of 50 hectares for control plans
- 3.3 Create Local Group to support Mimosa pigra control and monitoring
- 3.4 Develop and apply Mimosa pigra monitoring protocol
- 3.5 Host education programs about the alien species and removal strategies to schools, communities
- 3.6 Control activities of Mimosa pigra by local group and ECO club (2 activities)
- 3.7 Support local group to monitor the Mimosa *pigra* at the target plot (2 activities)

F. Logical frame of the project

Use the table below to summarize the activities undertaken to produce each output and to reach each objective. This table should be consistent with the paragraphs B, C, D and E above. It will be used to assess the project's progress.

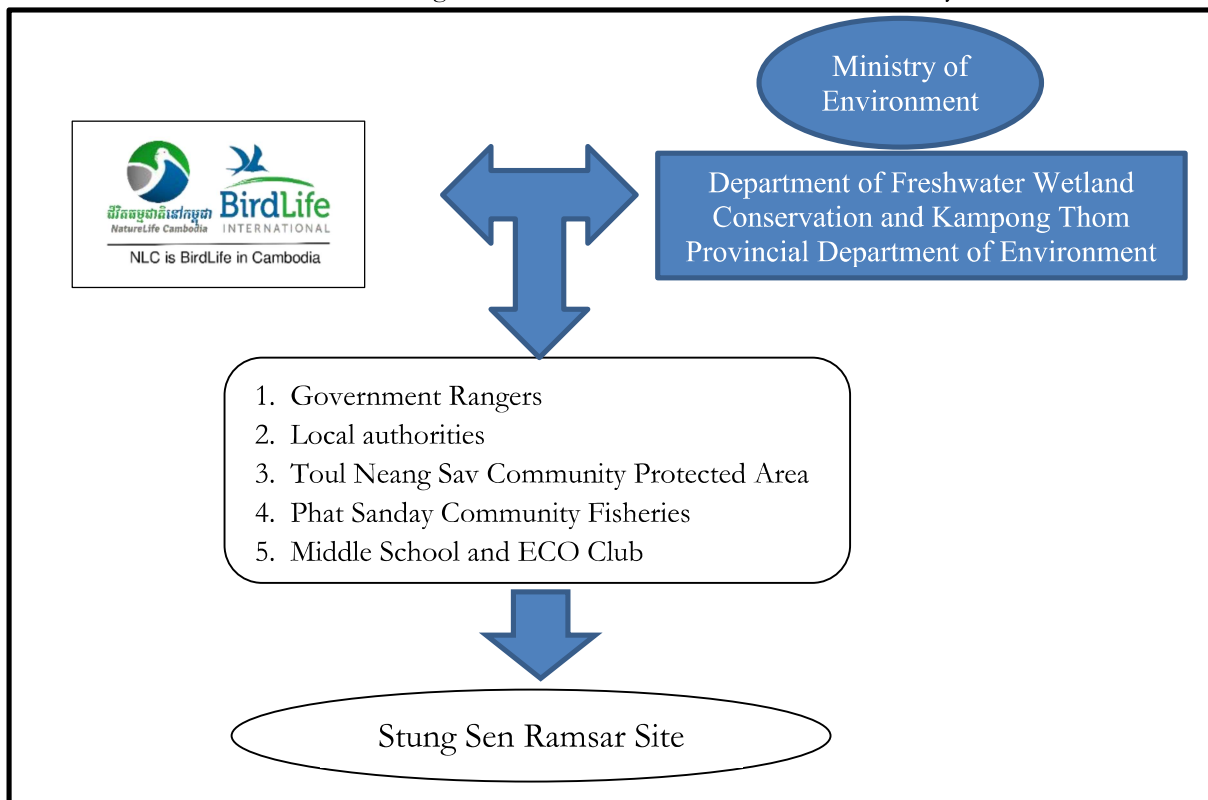
Problem	Objective	Output	Activities
<ul style="list-style-type: none"> • Lack of awareness and appreciation of the importance of Stung Sen Ramsar site 	To empower government rangers and CPA committee in awareness-raising campaigns about the importance of Stung Sen Ramsar Site to local communities and young students;	1. Awareness about the values and designation of Stung Sen Ramsar Site to young students, CPA, CFI and local communities for more participation and cooperation in Ramsar Site Management	1.1 Consultation with government rangers, local authorities, CPA, CFI, School director and NGOs to address ideas and recommendations awareness-raising program and learning session at schools and local communities 1.2 Discussion with School Director and students of Phat Sanday middle school to develop learning sessions and establish ECO Club for awareness campaign at schools and communities

			<p>1.3 Design and print out brochures, posters, T-shirt, and hats for awareness-raising campaigns at schools and local communities</p> <p>1.4 Conduct learning session at Phat Sanday Middle school (Guest speakers: government rangers, CPA committee, FACT, RECOFTC, Ministry of Environment) (3 sessions)</p> <p>1.5 Facilitate government rangers, CPA, CFI, young students and teachers to conduct awareness-raising campaign at local villages in Stung Sen Ramsar site (2 campaigns)</p>
<ul style="list-style-type: none"> Lack of participation and cooperation of local communities in conservation work Lack of information-sharing platform between key stakeholders on the site for Ramsar Site Management 	To increase the transparency and build engagement with local communities and youth for Ramsar Site Management	2. Communication Channel of key stakeholders and government rangers and Action plans for endangered species and Ramsar Site Management	<p>2.1 Consultation with rangers and commune chief to address key stakeholders in Ramsar Site Management</p> <p>2.2 Organize Stakeholder Forums to address feasible cooperation and action plans for endangered species conservation and Ramsar site protection</p> <p>2.3 Develop action plans and share with local authorities, communities, partners, and Ministry of Environment</p>
<ul style="list-style-type: none"> Lack of up-to-date status of <i>Mimosa pigra</i> 	To engage young students and local communities for alien invasive species control	3. Volunteer Group of local community and young students for <i>Mimosa Pigra</i> Control in at least 50 hectares of Stung Sen Ramsar Site	<p>3.1 Consultation with rangers, local authorities and community to identify area of 50-hectare land plot for long term control of <i>Mimosa Pigra</i> with mitigation strategies and plans in Stung Sen Ramsar site</p> <p>3.2 Data collection to produce a map of <i>Mimosa pigra</i> in Stung Sen Ramsar site and the target plot of 50 hectares for control plans</p> <p>3.3 Create Local Group for support the <i>Mimosa Pigra</i> control and monitoring</p>

			<p>3.4 Develop and apply Mimosa pigra monitoring protocol</p> <p>3.5 Host education programs about the alien species and removal strategies to schools, communities</p> <p>3.6 Control activities of Mimosa pigra by local group and ECO club (2 activities)</p> <p>3.7 Support local group to monitor the Mimosa pigra at the target plot (2 activities)</p>
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G. Project management arrangements and stakeholders

A plan or flow chart for management and implementation arrangements of the project should be prepared. This section should include information on the agency or body executing the project, describe institutional and technical capacities to undertake the work, and indicate the monitoring and evaluation procedures to ensure that the objectives are met. It should also include an identification of the stakeholders concerned by the project. If the implementing agency is not the Administrative Authority of the Convention, general information on the implementing agency should be provided, including details about its institutional and/or working relations with the Administrative Authority.



NatureLife Cambodia (NLC)

NatureLife Cambodia (NLC) is BirdLife International’s partner in Cambodia. NatureLife Cambodia officially registered with the Ministry of Interior as a national non-governmental organization in February 2017. The organization was established with technical support from BirdLife International and financial support from the Critical Ecosystem Partnership Fund (CEPF) of the IUCN. The establishment of NLC forms a key part of BirdLife International’s transitional strategy for its work in Cambodia to be led by a local conservation organization with a mission to conserve Cambodia’s biodiversity by managing natural resources sustainably for the benefit of all.

NatureLife Cambodia has worked in Stung Sen Ramsar site since 2015 and have built a good relationship with local communities and authorities. NLC will perform as focal point in implementation and coordination agency of key stakeholders to together work in common goals and perceptions towards the improvement of local cooperation and awareness-raising events.

Department of Freshwater Wetland Conservation (DoFWC)

Under the supervision of the Ministry of Environment, DoFWC will provide technical advice and legal guidance to the project staff in coordination and communication with key stakeholders and local authorities. DoFWC will also monitor the project progress from NLC to meet the project outputs.

Kampong Thom Provincial Department of Environment (KTPDoE)

KTPDoE will oversee site manager and government rangers and assign them to support and join in project implementation with other stakeholders, schools and communities. Also, KTPDoE will provide directory advice and technical support in designing the awareness-raising activities and campaigns, building communication approaches to government official/Ministry of Environment, and other inputs in stakeholder engagement. During the mapping of *Mimosa pigra* and monitoring activities in Stung Sen Ramsar site, KTPDoE will share information and data of previous studies of *Mimosa pigra* to the project staff for further development and adjustment.

Key Stakeholders (Government Rangers, CPA, CFi, ECO Club)

- **Government Rangers:** Site manager and rangers in Stung Sen Ramsar site are assigned by the Ministry of Environment to permanently deploy at the site and managed by the Kampong Thom Provincial Department of Environment in site management and protection. They have regular duties of conducting law enforcement patrol to crack down illegal activities, and monitoring biodiversity. During this project implementation, government rangers will play significant role to work closely with Project Assistant of NatureLife Cambodia in facilitating awareness-raising campaigns and sharing experience to local community and young students.
- **CPA & CFi:** The two community-based organizations (CBO) in Stung Sen Ramsar site, namely Toul Neang Sav Plov Loung Community Protected Area and Phat Sanday Community Fisheries will cooperate with **government** rangers in sharing experience and awareness raising events at Stung Sen Ramsar site. Two representatives of each CBO will be invited to a sharing session at Middle School where they will give talk about their experiences and passion in protecting the natural resources to young students. Also, all nine committee members of each CBO will take part in awareness-raising campaigns around their floating communities.
- **School Director and ECO Club:** At Stung Sen Ramsar Site, there are two local floating schools: a primary school and a Middle School. The Directors of the two schools will join in a discussion to develop learning sessions at their schools and design awareness-raising events at their floating communities as well as to establish a ECO Club of those students who interested in environment, wildlife and natural protection. Afterwards, the directors and ECO Club will work closely with government rangers and CBOs with support from NatureLife Cambodia to lead awareness-raising campaigns and learning session about the values of Stung Sen Ramsar Site and vital participation of local citizens and youth. Also, ECO Club will join government rangers and local group in *Mimosa pigra* control in Stung Sen Ramsar site.
- **Chief of Commune and Village:** The Commune Chief of Phat Sanday Commune and village chiefs from the five villages in Stung Sen Ramsar site, namely Toul Neang Sav, Neang Sav, Koh Tapov, Phat Sanday, and Kampong Chamlong will be key local authorities who will provide advice and inputs in stakeholder forum and give permission for awareness raising campaign in the area.

<p><u>Activity 3:</u> Design and print brochures, posters, T-shirt, and hats for awareness-raising campaigns at schools and local communities</p>												
<p><u>Activity 4:</u> Conduct learning session at Phat Sanday Middle school (Guest speakers: government rangers, CPA committee, FACT, RECOFTC, Ministry of Environment) (3 sessions)</p>												
<p><u>Activity 5:</u> Facilitate government rangers, CPA, CFi, students and teachers to conduct awareness-raising campaign at local villages in Stung Sen Ramsar site (2 campaigns)</p>												
<p>Output 2: Communication Channel of key stakeholders and government rangers and Action plans for endangered species and Ramsar Site Management <u>Activity 6:</u> Consultation with rangers and commune chief to address key stakeholders in Ramsar Site Management</p>												

<u>Activity 7:</u> Conduct Stakeholder Forums to address feasible cooperation and action plans for Ramsar Site Management												
<u>Activity 8:</u> Review and develop the top 5 priorities of action plans and share with site manager, local authorities, communities, partners, and MoE												
Output 3: Volunteer Group of local community and young students for Mimosa Pigra Control at Stung Sen Ramsar Site <u>Activity 9:</u> Consultation with rangers, local authorities and community to identify area of 50 hectares for long term control of Mimosa Pigra with mitigation strategies and plans in Stung Sen Ramsar site												
<u>Activity 10:</u> Data collection to produce a map of Mimosa pigra in Stung Sen Ramsar site and the target plot of 50 hectares for control plans												
<u>Activity 11:</u> Create Local Group for Mimosa <i>pigra</i> control												
<u>Activity 12:</u> Develop Mimosa pigra control and monitoring protocol												

<u>Activity 13:</u> Host education programs about the alien species and action plan to schools, communities												
Activity 14: Support local group and young students for control activities of <i>Mimosa pigra</i> (2 activities)												
<u>Activity 15:</u> Support local group to monitor the <i>Mimosa pigra</i> at the target plot (2 activities)												

I. Budget

The NWF provides a maximum of US Dollars (USD) 18,000 per strategic project or activities to support projects submitted by non-Contracting Parties to assist with their accession.

i) *Budget summary*

Exchange rate applied: 1 US dollars (USD) = 4,000 riels [local currency]

Funding Source	Total funds (riels)	Total funds (US dollars)
NWF	72,000,000.00	18000.00
Implementing Organization	000.00	000.00
Other sources of funding	16,000,000.00	4,000.00
TOTAL	88,000,000.00	22,000.00

ii) *Overall itemized budget*

Exchange rate applied: 1 US dollars (USD) = 4,000 riels [local currency]

Description of budget item (include unit costs where appropriate)	Unit Cost (riels)	Number of Unit	NWF (riels)	Implementing organization and other sources of funding (riels)	Total (riels)	Total (USD)
1. SALARIES / WAGES / CONSULTANCY COSTS						
1.1 Supervisory Staff <i>No. of person: 2</i>						
<i>CEO</i> <i>(7 days: 5 days will be charged from the proposed project while 2 days will be covered by the shared-cost of NatureLife Cambodia. His roles include overseeing strategic direction, project outputs and overall project operation and providing technical advice in project execution, planning, and management. He will interact and build relationship with key stakeholders at National level,</i>	480,000.00	5	2,400,000.00	960,000.00	3,360,000.00	840.00

<i>including Ministry of Environment and Fisheries Administration. Moreover, at the Stakeholder Forum, the CEO will lead the discussion with the officers of the Ministry of Environment and Kampang Thom Provincial Department of Environment and other stakeholders.</i>						
Project Coordinator (3 months: 2 months will be charged from the proposed project while one month will be covered by the shared-cost of NatureLife Cambodia. He will oversee all project implementation, project planning and management and supervise staff performance and coordination to ensure effective and timely project implementation. Also, he will be focal point for communication with stakeholders and donors by keeping track of project deliverables and development of progress reports.	3,480,000.00	2	6,960,000.00	3,480,000.00	10,440,000.00	2,610.00
1.2 Field Staff No. of person: 2						
Project Officer (2 months: one month will be charged from the proposed project while one month will be covered by the shared-cost of NatureLife Cambodia. He will provide assistance to the coordinator in organizing and preparing the logistics during stakeholder forums, discussions, and consultations to engage the participants. He will also support the Project Assistant in the design and preparation of awareness-raising and learning session at the local schools and floating communities.	2,600,000.00	1	2,600,000.00	2,600,000.00	5,200,000.00	1,300.00
Project Assistant (6 months: He/she will spend around 15 days per month as a front-line staff working directly with key stakeholders on the ground to host meetings, discussion, learning sessions, awareness-raising events and invasive species control. He will spend most of his time at the site to monitor project progress and keep updates to management team.	1,800,000.00	6	10,800,000.00		10,800,000.00	2,700.00
1.3 Office Staff No. of person: 1						
Senior Finance Officer (2 months)	3,400,000.00	1	3,400,000.00	3,400,000.00	6,800,000.00	1,700.00
SUB-TOTAL:			26,160,000.00	10,440,000.00	36,600,000.00	9,150.00
2. TRAVEL & ACCOMMODATION COSTS						
2.1 Travel costs (car and boat) (12 months). Two staff will regularly travel to the site, which is around 250 km on land and 30 km by boat (roundtrip distance).	320,000.00	12	3,840,000.00		3,840,000.00	960.00

2.2 Accommodation and meals (12 months). Each of the two staff is estimated to spend 5 nights per month and one night cost is \$5.	200,000.00	12	2,400,000.00		2,400,000.00	600.00
SUB-TOTAL:			6,240,000.00		6,240,000.00	1,560.00
3. OFFICE RUNNING COSTS						
3.1 Shared Office costs (8 months will be charged from the proposed project while 4 months will be covered by the shared cost of NatureLife Cambodia)	320,000.00	8	2,560,000.00	1,280,000.00	3,840,000.00	960.00
3.2 Shared communication costs(8 months will be charged from the proposed project while 4 months will be covered by the shared cost of NatureLife Cambodia)	160,000.00	8	1,280,000.00	640,000.00	1,920,000.00	480.00
3.3 Shared office utilities and supplies(8 months will be charged from the proposed project while 4 months will be covered by the shared cost of NatureLife Cambodia)	160,000.00	8	1,280,000.00	640,000.00	1,920,000.00	480.00
3.5 Other (please specify): computer maintenance costs(8 months will be charged from the proposed project while 4 months will be covered by the shared cost of NatureLife Cambodia)	100,000.00	8	800,000.00	400,000.00	1,200,000.00	300.00
SUB-TOTAL:			5,920,000.00	2,960,000.00	8,880,000.00	2,220.00
Costs of planned activities:						
4. Output 1 Awareness-raising programs about the importance of Stung Sen Ramsar Site and learning sessions at school and local communities						
4.1 Consultation with government rangers, local authorities, CPA, CFI, School director and NGOs to address ideas and recommendations awareness-raising program and learning session at schools and local communities (1 meeting) <i>No. of persons attending: 15</i>						
Transportation	20,000.00	15	300,000.00		300,000.00	75.00
Per diems	40,000.00	15	600,000.00		600,000.00	150.00
Rental of Facilities	40,000.00	1	40,000.00		40,000.00	10.00
Snack and Drink	6,000	15	90,000.00		90,000.00	22.50
4.2 Discussion with School Directors and students of Phat Sanday Middle school to develop learning sessions and establish ECO Club for awareness campaign at schools and communities <i>No. of persons attending: 10</i>						
Transportation (3 school principle, while the 7 students of ECO Club, who come to school as usual, will be provided only with snack and drinks)	20,000.00	3	60,000.00		60,000.00	15.00

Per diems (3 school principle, while the 7 students of ECO Club, who come to school as usual, will be provided with only snack and drink)	40,000.00	3	120,000.00		120,000.00	30.00
Rental of Facilities	40,000.00	1	40,000.00		40,000.00	10.00
Snack and Drink	6,000.00	10	60,000.00		60,000.00	15.00
4.3 Design and print out brochures, posters, T-shirt, and hats for awareness-raising campaigns at schools and local communities						
T-shirt (100 people)	24,000.00	100	2,400,000.00		2,400,000.00	600.00
Brochures (300 copies)	4,000.00	300	1,200,00.00		1,200,00.00	300.00
Posters (10 pieces)	60,000.00	10	600,000.00		600,000.00	150.00
4.4 Conduct learning sessions at Phat Sanday Middle school (3 sessions: Government rangers, CPA and CFi committee, and local NGOs will be invited to share their experience and knowledge in environmental protection through three learning sessions to the students as part of their school curriculum) No. of persons attending: 100						
Transportation (10 peoples x 3 times) (10 representatives from government rangers, CPA and CFi committee, or local NGOs will be invited to give a short experience sharing session to around 90 students at the Middle school.)	20,000.00	30	600,000.00		600,000.00	150.00
Per diems (10 peoples x 3 times) (10 representatives from government rangers, CPA and CFi committee, or local NGOs will be invited to give a short experience sharing session to around 90 students at the Middle school.)	40,000.00	30	1,200,000.00		1,200,000.00	300.00
Rental of Facilities (3 times)	40,000.00	3	120,000.00		120,000.00	30.00
Speakers' fees (1 person x 3 times)	360,000.00	3	1,080,000.00		1,080,000.00	270.00
Transportation for speakers	120,000.00	3	360,000.00		360,000.00	90.00
Snack and Drink (100 people x 3 times)	6,000.00	300	1,800,000.00		1,800,000.00	450.00
4.5 Facilitate government rangers, CPA, CFi, students and teachers to conduct awareness-raising campaign at local villages in Stung Sen Ramsar site (2 campaigns: One campaign will be conducted to introduce the value and designation of Stung Sen Ramsar Site and another one will be implemented during Wetland Day) No. of persons attending: 50 No. of boats: 10						
Transportation (20 boats: 10 boats for each campaign)	60,000.00	20	1,200,000.00		1,200,000.00	300.00
Per diem for government rangers, CPA, CFi and Teacher	40,000.00	20	800,000.00		800,000.00	200.00
Snack and Drink (50 people x 2 times)	6,000.00	100	600,000.00		600,000.00	150.00

5. Output 2 Action plans and Communication Channel of key stakeholders for Ramsar Site Management						
5.1 Consultation with rangers and commune chief to address key stakeholders in Ramsar Site Management <i>No. of persons attending: 3</i>						
Transportation	20,000.00	3	60,000.00		60,000.00	15.00
Per diems	40,000.00	3	120,000.00		120,000.00	30.00
Rental of Facilities	40,000.00	1	40,000.00		40,000.00	10.00
Snack and Drink	6,000.00	3	18,000.00		18,000.00	4.50
5.2 Conduct Stakeholders Forums to address feasible cooperation and action plans for Ramsar Site Management <i>(2 meetings: The first forum will be conducted at the start of project to gather inputs from the stakeholders and the second forum will be to evaluate applied cooperation and action plans)</i> <i>No. of persons attending: 15</i>						
Transportation <i>(11 people x 2 times)</i> <i>(4-10 km by boat as roundtrip)</i>	20,000.00	22		440,000.00	440,000.00	110.00
Transportation for MoE Officers <i>(2 officers x 2 times) (200 km as roundtrip)</i>	200,000.00	4	800,000.00		800,000.00	200.00
Transportation for DoE Officers <i>(2 officers x 2 times)</i> <i>(200 km as roundtrip)</i>	120,000.00	4		480,000.00	480,000.00	120.00
Per diems <i>(11 people x 2 times)</i>	40,000.00	22		880,000.00	880,000.00	220.00
Per diems for MoE officers <i>(2 officers x 2 times)</i>	360,000.00	4	1,440,000.00		1,440,000.00	360.00
Per diems for DoE Officers <i>(2 officers x 2 times)</i>	200,000.00	4		800,000.00	800,000.00	200.00
Rental of Facilities <i>(2 times)</i>	40,000.00	2	80,000.00		80,000.00	20.00
Snack and Lunch <i>(15 people x 2 times)</i>	24,000.00	30	720,000.00		720,000.00	180.00
6. Output 3 Volunteer Group of local community and young students for Mimosa Pigra Control at Stung Sen Ramsar Site						
6.1 Consultation with rangers, local authorities and community to identify negative impacts of Mimosa pigra and address management strategies in Stung Sen Ramsar site <i>No. of persons attending: 8</i>						
Transportation <i>(2-4 km as roundtrip)</i>	20,000.00	8	160,000.00		160,000.00	40.00
Per diems	40,000.00	8	320,000.00		320,000.00	80.00
Rental of Facilities	40,000.00	1	40,000.00		40,000.00	10.00
Snack and Drink	6,000.00	8	48,000.00		48,000.00	12.00

6.2 Data collection to produce a map of Mimosa pigra in Stung Sen Ramsar site and a target plot of 50 ha <i>No. of persons attending: 5</i>						
Transportation (3 days)	80,000.00	3	240,000.00		240,000.00	60.00
Per diems (5 rangers x 3 days)	40,000.00	15	600,000.00		600,000.00	150.00
GIS Consultant's fee	100,000.00	1	100,000.00		100,000.00	25.00
6.3 Host education programs about the alien species and action plan for endangered species and Ramsar site management to schools, communities <i>No. of persons attending: 30</i>						
Rental of Facilities	40,000.00	1	40,000.00		40,000.00	10.00
Speakers' fees	200,000.00	1	200,000.00		200,000.00	50.00
Snack and Drink	6,000.00	30	180,000.00		180,000.00	45.00
6.4 Control Activities of Mimosa pigra by local group and ECO club <i>(2 activities: Physical method will be applied to control the invasive species and the group will practice hand clearance twice per project period)</i> <i>No. of persons attending: 30</i> <i>No. of boat: 6</i>						
Transportation <i>(6 boats x 2 times x 2 days) (15 hectares will be targeted per day for the cutting and harvesting)</i>	140,000.00	24	3,360,000.00		3,360,000.00	840.00
Per diems <i>(30 people x 2 times x 2 days)</i>	40,000.00	120	4,800,000.00		4,800,000.00	1,200.00
Gloves and plastic bags <i>(30 people x 2 times x 2 days)</i>	40,000.00	120	4,800,000.00		4,800,000.00	1,200.00
Snack and Drink	6,000.00	120	720,000.00		720,000.00	180.00
6.5 Support local group to monitor the Mimosa pigra at the target plot <i>(2 activities: Following the cutting of the invasive species, regular monitoring will be needed to see the changes of growth and remove the remaining plants if necessary)</i> <i>No. of person attending: 10</i>						
Transportation <i>(2 boats x 2 times)</i>	60,000.00	4	240,000.00		240,000.00	60.00
Per diems <i>(10 people x 2 times)</i>	40,000.00	20	800,000.00		800,000.00	200.00
Equipment (boot, first aid..)	364,000.00	1	364,000.00		364,000.00	91.00
Snack and Drink <i>(10 people x 2 times)</i>	6,000.00	20	120,000.00		120,000.00	30.00
SUB-TOTAL:			33,680,000.00	2,600,000.00	36,280,000.00	9,070.00
7. MISCELLANEOUS						
7.1 (please specify):						
TOTAL:			72,000,000.00	16,000,000.00	88,000,000.00	22,000.00

J. Follow Up

Intended follow-up after completion of the project timetable. Please mention here what is going to be done after the project is over to ensure the long-term sustainability of the results.

NatureLife Cambodia has long term commitment to build capacity of local communities and government rangers to ensure effective Ramsar site management in Tonle Sap Great Lake and to promote the sustainable natural resources use. As technical support, NatureLife Cambodia project staff will be monitoring the cooperation of government rangers with local communities and giving support to ECO Club to regularly participate in the conservation work/event for Ramsar Management. In addition, established action plans will guide local group, ECO Club and government rangers to look for resources/funding to continue the awareness-raising campaigns at schools and around their communities. During the project implementation, NatureLife Cambodia will help the local group and ECO Club to reach out to other donors/partners to financially and/or technically support their future activities. More importantly, ECO Club will be equipped with the knowledge and skills that they can share with fellows and younger peers. This act of sharing and engaging young student will bring up the appreciation and understanding of values of Ramsar site and natural resources as well as empower more participation from all ages and individuals.

K. Bibliography

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