

TERMS OF REFERENCE

Title of the Consultancy Assignment

Developing action plan for mitigating marine plastic litter from fisheries, aquaculture, and tourism activities in Phu Quoc Marine Protected Area between 2021 and 2030

Project: Mitigating marine plastic debris in Vietnam

Work location: Phu Quoc

Duration: September – December, 2021

1. Background

Recently, marine plastic waste has been a global issue. There are many activities at different levels to achieve common goal as reducing the impact of plastic waste on the environment, economy and society. The plastic waste management is a frequently discussed topic on the international agenda, such as United Nations Conference on Sustainable Development (RIO + 20) in 2012, United Nations General Assembly September 2015, and World Economic Forum 2018. Intergovernmental fora, such as Economic Cooperation Asia-Pacific (APEC) and the Association of Southeast Asian Nations (ASEAN).

Vietnam has been making great efforts both in terms of strong political commitments and practical activities in management and reduction of plastic debris. In 2019, a National Action Plan on Marine Plastic Debris Management through 2030 was approved by the Prime Minister by the Decision No.1746/QD-TTg on December 4th. And most recently, Ministry of Agriculture and Rural Development promulgated a National Action Plan on mitigating plastics litter in fisheries and aquaculture between 2020 and 2030 by Decision No. 678/QD-BNN-TCTS dated 05/2/2021.

WWF-Viet Nam is a non-governmental organization working with the missions: (i) reducing the natural destruction in the worldwide; (ii) building a future world where people can live in harmony with nature; (iii) conserving biodiversity around the world; (iv) ensuring and maintaining renewable natural resources. WWF-Viet Nam want to participate in activities and initiatives to reduce and control pollution caused by marine waste, to clean the coastline, to enhance conservation activities and to protect the marine ecosystem.

The “Mitigating marine plastic debris in Viet Nam” project which is largely funded by German Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU) via WWF-Germany is implemented in 10 sites crossing Viet Nam between 2020 and 2023. In close collaboration with the Ministry of Natural Resources and Environment (MONRE), WWF-Viet Nam will promote and contribute to solving related issues with solid waste in general, plastic waste in particular, and the protection of marine biodiversity.

Within the BMU project, WWF would like to assist the National Park of Phu Quoc, one of the key partners of the project, with technical consultancy on development of “**Action plan for mitigating marine plastic litter from fisheries, aquaculture, and tourism activities in Phu Quoc Marine Protected Area (MPA) between 2021 and 2030**”.

2. Purpose and Objectives

In response to:

(1) the Plan No.99/KH-UBND dated 06/5/2021 of Kien Giang People’s Committee about mitigating plastic litter in fisheries and aquaculture between 2021 and 2030, and

(2) the Plan No.545/KH-UBND dated 22/11/2019 of Phu Quoc People’s Committee about marine plastic litter management till 2025

the study can assist the National Park of Phu Quoc to develop a strategic plan and set a leverage to fulfil their assigned tasks.



WWF *for a living planet*[®]

WWF Vietnam Country Office
No.6, Lane 18, Nguyen Co Thach Street, Nam Tu Liem District, Hanoi - Viet Nam

Tel: +84 4 7193049
Fax: +84 4 7193048

Specific objectives of the assignment

- Present an overview of natural and socio-economic conditions in and surrounding the MPA, and a background of legal framework related to marine plastic litter management at both national and provincial levels.
- Assess current situation of marine plastic pollution in Phu Quoc MPA, and identify contribution of plastic litter from fisheries, aquaculture, and tourism activities to the MPA based on literature review and field survey results.
- Understand management and collaboration mechanism among relevant stakeholders in Phu Quoc city and Kien Giang Province regarding marine plastic litter management through stakeholder mapping and analysis
- Develop an action plan for mitigating marine plastic waste in Phu Quoc MPA, that should be attached with a plan for monitoring and evaluating the implementing progress.
- Develop a detailed proposal for preventing and collecting 'ghost gear' (abandoned, lost, or discarded fishing gear) in the ocean and on the beaches belong to the marine protected areas, and aquatic resources protected areas

3. Scope of works

3.1 Study areas:

- The study area should be included the whole area of Phu Quoc MPA where is under administrative management of Phu Quoc National Park, but not limited to:
 - o Residential areas in An Thoi, Duong To, (Vinh Dam – Cau Sau) Ham Ninh, Bai Thom, and local markets located along the waterways to the ocean
 - o Islets where local people are living or tourism activities are activated: Hon Roi, Hon Thom, Hon Gam ghi, Hon Vong, May Rut.

3.2 Main tasks

Task 1: Present an overview information of the study areas, and a background of legal framework related to marine plastic litter management

- Give an overview of natural, economic and social conditions in the study areas, especially marine-related livelihood activities inside and surrounding the MPA
- Conduct literature review (refer to available reports on national and/or provincial policies) to draw an overview of legal framework regarding marine plastic litter management at national and provincial levels.

Task 2: Conduct surveys and assessment of marine plastic litter situation (generation rate and quantity, composition) and sources of plastic leakage to Phu Quoc MPA:

- Present marine plastic debris pollution in the MPA (composition, density/quantity of plastic litter washed ashore, or ended up in coral reef, seagrass beds and etc.)
- Identify key contributors of marine plastic litter in Phu Quoc MPA, with a focus on marine-based livelihood activities (fisheries, aquaculture, tourism)
- Conduct field surveys to understand their plastics consumption/generation and disposal situation (quantity, composition, and generation rate)
- Estimate amount of plastic leakage from different sources to the MPA at each stage of their waste flow using the Waste Flow Diagram tool
- Identify marine plastic hotspots in the study area (refer to IUCN approach)



for a living planet®

WWF Vietnam Country Office
No.6, Lane 18, Nguyen Co Thach Street, Nam Tu Liem District, Hanoi - Viet Nam

Tel: +84 4 7193049
Fax: +84 4 7193048

Task 3: Study on negative impacts of marine plastic pollution toward ocean-based livelihood activities such as fisheries, aquaculture, and tourism in Phu Quoc MPA

- Conduct literature review on environmental and economic impacts caused by marine plastic pollution, with a focus on fisheries, aquaculture, and tourism activities.
- Carry out field survey to identify a list of potential damage caused by marine plastic pollution to livelihoods of local people as well as business activities, and rough estimation of cost if possible

Task 4: Assess roles of relevant stakeholders in Phu Quoc City and Kien Giang province related to marine plastic debris management

- Identify and create a map of relevant stakeholders in Phu Quoc city and Kien Giang province
- Analyse roles of relevant stakeholders in relation to plastic waste management generated from fishing and aquaculture activities; tourism services in the MPA.

Task 5: Develop an action plan for mitigating marine plastic litter in the Phu Quoc marine protected areas

Based on the results of review and the assessment current generation and management of plastic waste from fishing and aquaculture activities, and tourism services:

- Develop a detailed action plan (objectives, activities, task assignments, timeline and estimated budget) which aims to:
 - o Enhance the effectiveness of policies regarding to plastic waste management of fishing activities.
 - o Promote collection of ghost gear and plastic litter in the ocean and on the beaches where belong to the marine protected areas, and aquatic resources protected areas.
 - o Minimize consumption of plastic bags and single-used plastic products on fishing boats, tourist boats, at the fishing ports and tourist harbors.
 - o Mitigate plastic leakage to the marine protected areas, and aquatic resources protected areas.
 - o Conduct annually monitor marine plastic waste.
 - o Conduct cleaning activities on the beaches and at the coral reef areas where are managed by the marine protected areas.
 - o Organize awareness raising activities on environmental protection, biodiversity for community located inside or surrounding the marine protected areas.
- Identify indicators for monitoring and evaluating the implementing progress.
- Consult relevant stakeholders on study results and finalize action plan

Task 6: Develop a detailed proposal for preventing and collecting 'ghost gear' (abandoned, lost, or discarded fishing gear) in the ocean and ashore the beaches in Phu Quoc MPA

Align with the action plan delivered in Task 5, an implementation plan for preventing and collecting ghost gear is developed to specify actions for:

- Engaging fishermen, boat owners and enterprises in collection program
- Designing and implementing pilot models on community-based management, socialization of collection service, segregation and exchange of plastic waste at coastal areas;
- Facilitating waste separation activities and enhancing collection rate of recycling waste

4. Timeline: September 2021 to December 2021

5. Deliverables

All reports and relevant data required below should be submitted in both English and Vietnamese.



WWF *for a living planet*

WWF Vietnam Country Office
No.6, Lane 18, Nguyen Co Thach Street, Nam Tu Liem District, Hanoi - Viet Nam

Tel: +84 4 7193049
Fax: +84 4 7193048

5.1 A technical report on survey and assessment results of current situation of marine plastic litter management in Phu Quoc MPA should cover findings and results of Tasks 2, 3, and 4.

5.2 A set of the study's database:

- A list of documents, regulations, references
- Questionnaires, interviews, meeting minutes, etc.
- Survey data (raw and processing data)
- A plastic waste flow diagram (WFD) for study areas

5.3 An action plan for marine plastic debris management in Phu Quoc MPA between 2021 and 2030 should be detailed on:

- A logical framework of action plan that specifies objectives, tasks, duration/implementing time, person/unit in charge, estimated budget.
- Key performance indicators (KPIs), and a plan for monitoring and evaluating implementation progress of the action plan.

and should be covered all contents required in Task 5.

5.4 A detailed proposal for preventing and collecting 'ghost gear' (abandoned, lost or discarded fishing gear) in Phu Quoc MPA (Task 6)

6. Expected Outputs/Deliverables & Timeline

No	Tasks	Expected outputs	Deliverables	Expected delivery date
1	Overview of natural, economic and social conditions in the study's areas, and background of legal framework related to marine plastic litter management	Background of the study areas (natural, economic and social conditions), and legal framework in terms of marine plastic litter management	1/ A technical report on survey and assessment results of current situation of marine plastic litter management in Phu Quoc MPA (should be covered all findings and results of Tasks 2, 3, and 4)	01 week after beginning date
2	Conduct surveys and assessment of current situation of plastic litter (generation rate and quantity, composition) and sources of plastic leakage to Phu Quoc MPA	<ul style="list-style-type: none"> - Marine plastic pollution in Phu Quoc MPA - List of key contributors of marine plastic litter in the MPA, and - Their plastics consumption/generation and disposal situation; - Amount of plastic leakage from different sources to the MPA at each stage of their waste flow using the Waste Flow Diagram tool - A map of marine plastic hotspots in the study area 	2/ A set of study's database: <ul style="list-style-type: none"> - A list of documents, regulations, references - Questionnaires, interviews, meeting minutes, etc. - Survey data (raw and processing data) - A plastic waste flow diagram (WFD) for study areas 	Within 3-4 weeks since beginning date
3	Study on negative impacts of marine	<ul style="list-style-type: none"> - Overview on environmental and economic impacts caused 		Within 3-4 weeks since beginning date



WWF *for a living planet*[®]

WWF Vietnam Country Office
 No.6, Lane 18, Nguyen Co Thach Street, Nam Tu Liem District, Hanoi - Viet Nam

Tel: +84 4 7193049
 Fax: +84 4 7193048

	plastic pollution toward ocean-based livelihood activities such as fisheries, aquaculture, and tourism in Phu Quoc MPA	by marine plastic pollution, with a focus on fisheries, aquaculture, and tourism activities. - A list of potential damage caused by marine plastic pollution to livelihoods of local people as well as business activities		
4	Assess roles of relevant stakeholders in Phu Quoc City and Kien Giang province related to marine plastic debris management	- A map of relevant stakeholders in Phu Quoc city and Kien Giang province - Report on stakeholder analysis		Within 5-6 weeks since beginning date
5	Develop an action plan for mitigating marine plastic litter in Phu Quoc MPA between 2021-2030	- An draft of action plan with detailed information (Objectives, tasks, timeline, person/ unit in charge, estimated budget). - A plan for monitoring and evaluating the implementing progress with specific KPIs	A final draft of action plan which is ready to disseminate to relevant stakeholders for their feedback	Within 7-8 weeks since beginning date
	Consult relevant stakeholders and finalize action plan	Officially written comments and feedback of relevant stakeholders. Consultation workshop	A minute which records all stakeholders' opinions and comments.	Within 9-10 weeks since beginning date
	Revise drafted plan based on stakeholders' comments	A revised action plan after stakeholder consultation	3/ Final action plan that is ready to submit to management board for final approval	Within 11-12 weeks since beginning date
6	Develop a detailed proposal for preventing and collecting ghost gear in Phu Quoc MPA	A implementation plan for preventing and collecting ghost gear in the MPA	4/ A final proposal that is ready to submit to management board for final approval	Within 11-12 weeks since beginning date

7. Working principles

The Consultant will:

- work in close collaboration with the WWF team and the Department of Marine Protected Areas and Wetland, Phu Quoc National Park.
- report regularly on progress to the WWF project team.

8. Required consultant profile



for a living planet[®]

WWF Vietnam Country Office
No.6, Lane 18, Nguyen Co Thach Street, Nam Tu Liem District, Hanoi - Viet Nam

Tel: +84 4 7193049
Fax: +84 4 7193048

-
- Team leader: has at least 10-year experience in Environmental Management, prioritized in Environmental Management in Fisheries sector; has Master degree or higher degree in fields related to Environmental sciences or Environmental management or Waste management,
 - Team member: at least one fisheries member (at least 5-year experience in fisheries),
 - Knowledge in waste management specialized on fisheries sector. Expertise on plastic waste/marine plastic litter is an advantage;
 - In-depth knowledge of waste situation in fisheries sector in Vietnam;
 - Proven experience in survey methodologies, research methods, data analyst specially fisheries sector;
 - Proven report writing skills;
 - Proven experiences in the field.

9. Budget: \$20,000 (BL 140005 – Activity 4.5.7.2)

10. Proposal submission requirements

The Consultant should submit applications by 23 September, 2021 23:59 (GMT+7). The application should be a maximum of 20-pages not including CVs, and include:

- Covering letter
- Company description (if the proposal is submitted under a consultancy).
- Relevant project references (with copies or online links, to at least two relevant projects)
- Proposed methodology, survey forms, and work plan, including milestones
- Proposed budget (breakdown into reimbursement expenses and consultant fees; taxes included)
- Consultant team description with CVs attached

CVs of key experts (maximum 4 pages) should be provided in an annex.

Please send the application as an e-mail, with attachments, to quynh.nguyenmy@wwf.org.vn cc: giang.tranpt@wwf.org.vn.

Questions and requests for additional information should be addressed in writing to **Ms. Nguyen My Quynh, email: quynh.nguyenmy@wwf.org.vn**.