CALL FOR EXPRESSION OF INTEREST TO UNDERTAKE A CONSULTANCY WORK ON
LARVAL CONNECTIVITY STUDY FOR RUFJI – MAFIA – KILWA (RUMAKI) SEASCAPE
AREA

TERMS OF REFERENCE

1.0 INTRODUCTION

The World Wide Fund for Nature (WWF) is an International Non-Governmental Organization dealing with conservation of nature through environmental management and conservation programmes. Its mission is to stop the degradation of the Planet’s natural environment and to build a future in which humans live in harmony with nature. WWF Tanzania Country Office (WWF TCO) through the Marine Programme, is currently implementing the project: “Strengthening Marine Protected Areas Management in Rufiji, Mafia and Kilwa Districts in Tanzania” funded by the Blue Action Fund (BAF) commonly known as WWF/RUMAKI-BAF. The project is a 5-year project being implemented by WWF Tanzania Country Office in partnership with WWF Germany, Wetlands International East Africa, coastal communities and the Government of the United Republic of Tanzania through the Vice President’s Office (VPO), Ministries of Livestock and Fisheries and Natural Resources & Tourism.

The project consist of four work packages (WPs), namely; Improved management effectiveness of Mafia Island Marine Park – MIMP (WP 1), Improved management effectiveness of Rufiji Delta Mangrove Forest Reserve (WP 2), Strengthening Collaborative Fisheries Management Areas - CFMAs (WP 3) and Designation of Man and Biosphere (MAB) Reserve in the Rufiji-Mafia-Kilwa Seascape (WP 4). The four work packages have been objectively designed to ensure marine protected areas and associated buffer zones within the seascape are effectively managed to maintain and improve ecological value and livelihoods for nature and people. This consultancy assignment is part of work package four (WP 4) on the designation of Man and Biosphere (MAB) Reserve, an ultimate goal of the project. The designation process is being led by National Environmental Management Council (NEMC) in collaboration with relevant Ministries.

2.0 OVERALL OBJECTIVE

To carry out a robust and detailed scientific study that will identify, quantify and model larval connectivity among marine populations across the entire Rufiji – Mafia – Kilwa seascape areas.

2.1 SPECIFIC OBJECTIVES

(i) Conduct literature review on larval dispersal and connectivity in Indian Ocean and other Oceans globally with respect to various context;
(ii) Apply a novel and appropriate methodology in order to study the larval dispersal and connectivity in the project area (Rufiji – Mafia – Kilwa seascape), to guide informed and accurate conservation strategies;
(iii) Determine larval habitat connectivity of key marine ecosystems (coral reef, seagrass and mangroves) and its importance on existing network of MPAs (e.g. Mafia Island Marine Park (MIMP), Delta Mangrove reserve area and Collaborative Fisheries Management Areas (CFMAs);
(iv) Determine the extent of larval connectivity in Rufiji – Mafia – Kilwa seascape area and how it is hampered by habitat destruction;
(v) Provide patterns of larval connectivity and link with existing conservation initiatives in Marine Protected Areas Management, Delta mangrove protected area, Collaborative Fisheries Management Areas;
(vi) Identify larval source and sinks in the seascape (Rufiji – Mafia – Kilwa) for informed conservation decisions relevant to the proposed Man and Biosphere Reserve designation;
(vii) Collaborate with consultant(s) on oceanograph study to model various larval dispersal and connectivity patterns in the project area (Rufiji – Mafia – Kilwa seascape);
(viii) As a result of objective objective iii-vii, provide potential impacts and implications on conservation policies, climate change, infrastructure development, governance and socioeconomic aspects
(ix) Develop a larval dispersal and connectivity monitoring framework, e.g. checklist of priority larval species, sampling methodology/critical location and potential models for management purposes for the proposed Man and Biosphere reserve.

3.0 SCOPE OF THE ASSIGNMENT
This consultancy work will be undertaken within the Indian Ocean waters under the administrative coverage of the three districts namely Rufiji/Kibiti, Mafia and Kilwa

4.0 KEY DELIVERABLES
(i) Inception report that will be prepared by Consultant(s) and submitted to the WWF Tanzania Country Office. It should include applicable methodology for larval dispersal and connectivity study, data collection protocols, tools to be used and analytical procedures for collected data;
(ii) Final study report determining the larval connectivity with respect to proposed RUMAKI Seacape Biosphere Reserve, with a presentation to WWF TCO and partners for review and improvement
(iii) Three- four pages of simplified extract of a larval connectivity study report for non-scientific general public
(iv) Participate and lead the team in developing a publishable scientific article in peer-reviewed journal;

5.0 TIMELINE OF THE CONSULTANCY
The duration of this consultancy work is three months (90 days, working days spread within the proposed period) inclusive of date of contract signing. The expected starting date/month of the assignment is April, 2021.

6.0 REQUIRED PROFILE OF THE CONSULTANT AND QUALIFICATIONS
A suitable candidate for this assignment should possess the following attributes:
(i) Masters Degree or PhD in marine sciences, fisheries management, natural resource
management/governance, environmental sciences, or any other related discipline;
(ii) Specialization in coral reef and/or mangrove associated aquatic fauna species is a credit;
(iii) Demonstrated experience in larval species dispersal and connectivity research is a credit;
(iv) Proven experience in producing high quality scientific data analysis and report writing for publication;
(v) Knowledgeable and aware of cultural sensitivities of coastal communities in the study area; and
(vi) Evidence of similar assignment previously conducted by the Consultant (s).

7.0 SUBMISSION OF APPLICATION DOCUMENTS (COMPULSORY)

Application from interested Consultant(s) should include:
(i) Letter of expression of interest;
(ii) Technical proposal including the survey design and methodology, data collection procedure and analysis, and timeline;
(iii) Financial proposal; and
(iv) A detailed CV with at least 3 referees describing a consultant’s preparedness, experience & expertise in conducting such consultancy/activity in his/her previous assignments.

8.0 APPLICATION PROCEDURE AND GUIDELINE

Interested applicants are required to direct all your applications to:
   Secretary: Procurement Committee,
   World Wide Fund for Nature - Tanzania Country Office,
   Off Mwai Kibaki Road, Kiko Street Mikocheni,
   P.O.Box 63117 Dar Es Salaam, Tanzania.
   Email: procurement@wwftz.org

Detailed Terms of Reference is accessible through tanzania.panda.org &
https://tanzania.panda.org/news/

9. Evaluation of the tenders will be done based on WWF procurement guidelines

10. WWF Tanzania is not bound to accept any lowest or highest submitted proposal

11. All applications should reach us by or before 11 am EAT on Thursday, 15th April 2021

12. Evaluation will be conducted based on WWF procurement guideline

13. Only successful applicant shall be contacted.