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GEF PACIFIC – INTERNATIONAL WATERS RIDGE TO REEF FSM PROJECT:

“Testing the mainstreaming of ‘Ridge-to-Reef’ (R2R), climate resilient approaches to integrated land, water, forest and coastal management in Tofol, Kosrae, FSM through strategic planning, capacity building, and piloted local actions to sustain livelihoods and preserve ecosystem services.”

TERMS OF REFERENCES

Consultancy to Conduct Resource Assessments and subsequent Development of an Integrated Watershed Management Plan of the Tofol Watershed.

1. Background.

The Pacific Ridge to Reef Programme is a Global Environment Facility (GEF) multi-focal area programme guiding coordinated investment of GEF grant funding across its focal areas of biodiversity conservation, land degradation, climate change adaptation and mitigation, sustainable land management, sustainable forest management, and international waters in Pacific SIDS. It is a multi-agency initiative involving the United Nations Development Programme (UNDP), the United Nations Food and Agriculture Organization (FAO), and the United Nations Environment Programme (UNEP) as GEF implementing agencies.

Executed regionally by the Pacific Community through the GEF Pacific Ridge to Reef International Waters project (GEF Pacific R2R IW), the operations of the R2R Programme is supported in areas of science-based planning, human capital development, policy and strategic planning, results-based management, and knowledge sharing. Implemented through the GEF Pacific R2R IW project the R2R IW national pilot projects are designed to strengthen R2R integration by establishing synergies between sector agencies and the GEF National R2R STAR Projects, governments and communities, civil society and the private sector.

FSM IW-R2R Project is one of the pilot demonstration sites of the Regional IW R2R Project. The FSM IW-R2R Project is implemented in partnership between the Department of Environment, Climate Change and Emergency Management and the Kosrae Conservation and Safety Organization to deliver specific outputs and achieve mainstreamed R2R approach. FSM’s IW-R2R project will focus on demonstrating innovative approaches to Integrated Ridge to Reef Catchment, establishing a Watershed Management Plan for Tofol Area and building the state and local capacity for Integrated Ridge to Reef Catchment Management to enable best practices in coastal waters, land and public health protection.



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FSM's IW-R2R Project demonstration site stretches from Tofol to Mutunnenea Area, located in the village of Lelu of Kosrae State. The demonstration site contains one mangrove channel flowing directly through the Awane Marine Protected Area, and three major rivers (Tofol, Srungansralu, Innem), draining large amounts of freshwater into the Lelu Bay. The land-sea connectivity covering the overall upstream and downstream stretch of Tofol Watershed provides the basis collecting and understanding important ecosystem goods and services in the watershed and use the baselines to better identify and implement priority management measures.

One of the key project benefits is the development and establishment of a Tofol Area Watershed Management Plan that connects effective management of water, land, forest and coastal ecosystems using the ridge to Reef Approach. Key elements of the plan include baseline data pertaining to watershed management, diagnostic analysis, implementation plan and Project Monitoring and Evaluation plan for the Tofol Watershed.

2. Purpose of the Terms of Reference.

This term of reference defines the scope of work aimed to assist National Implementing Partners of the national International Waters Ridge to Reef Project with the formulation of the Integrated Watershed Management Plan and complementary Monitoring and Evaluation plan for Tofol Watershed.

An integrated watershed management plan for Tofol Watershed will promote responsible landscape management, provide an opportunity for public dialogue and watershed education, promote conservation as well as complementing and once accepted will update the relevant sections of the Kosrae State Land Use Plan through sustainable management of watershed resources.

This consultancy also covers equally important technical assessment to understand better the Tofol Watershed in the aspect of biodiversity, and socioeconomics. These will then be used to support and inform policy discussion pertaining the site.

3. Scope of Work.

The consultant(s) shall carry out the tasks as listed below but not limited to:

I. Establish Baseline Data and Prepare Technical Assessment Reports

- *Biological Assessment*
 - The consultant will conduct a Biological Assessment, generating a description of the flora and fauna of the area (terrestrial and aquatic).
- *Ecosystem goods and services valuation*



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- The consultant will use the biological assessment plus economic data as basis to prepare a valuation of ecosystems goods and services in the Tofol catchment
- *Water quality Assessment*
 - The Consultant will carry out water quality assessment of the Tofol Catchment to establish baselines for ongoing monitoring
- *Traditional ecological knowledge (TEK) Assessment*
 - The consultant will collect and document TEK information from targeted communities.
 - This assessment can be done as separate or included as a section in the socio-economic assessment below.
- *Socio-Economic Assessment*
 - This assessment will be targeted towards those in Kosrae State to capture the perception of the Tofol community on the importance and value of the Watershed and its resources.

II. Diagnostic Analysis

- The consultants will undertake a diagnostic analysis for the Tofol catchment communities, including amongst others, with following activities: -
 - Conduct and facilitate diagnostic analysis stakeholder consultations or workshops;
 - Problem articulation - Identify & prioritise the challenges and problems associated with the Tofol catchment communities;
 - Problem understanding - Gather and interpret information on the environmental impacts and socio-economic consequences of each problem;
 - Data processing & reporting - Analyse the immediate, underlying, and root causes for each problem; and, in particular identify specific practices, sources, locations, and human activity sectors from which environmental degradation arises or threatens to arise;
 - Policy evaluation - Identify and evaluate options for reform and action;
 - Strategize the new ideas and opportunities – prioritizing alternatives;
 - Draft a diagnostic analysis report following given templates; and
 - Draft diagnostic workshops reports.
- All the technical reports in (I) above will be used during these stakeholder consultations.
- Refer to details in this link: https://www.pacific-r2r.org/sites/default/files/2020-09/Template%20ToR%20-%20diagnostic%20analysis_FINAL.pdf

III. Formulate Integrated Watershed Management Plan



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- The Consultant(s) will carry out these activities to develop and formulate an Integrated Watershed Management Plan
 - Conduct a participatory watershed/catchment management planning workshop (visioning, objective setting, priorities, identification, and formulation options) to delineate boundaries and agree on management interventions.
 - Consolidate and conduct analysis of data for the writing of watershed management plan including the elaborated section on monitoring and evaluation, and the corresponding short-term implementation plan.
 - Present the draft management plan for validation by the Tofol Stakeholders;
 - As deemed appropriate, incorporated results (feedback) of the validation workshop to the draft watershed management plan.
 - Present for review the final draft Tofol Watershed Management Plan to relevant relevant government agencies and authorities, in close collaboration with the RPCU/SPC.
 - Finalize and submit Tofol Watershed Management plan for sign off by Department of Environment, Climate Change, and Emergency Management (DECEM) and Regional Project Coordinating Unit (RPCU).

IV. Consultancy Report & Lessons Learned Reporting

- The consultant will prepare a final report on lessons learned from the technical fieldwork, surveys, consultations, and preparation of the integrated watershed management plan.
 - The report should outline the techniques or methods used for each assessment.
 - The report should include photos and other imageries, video clips and maps of sampling locations/reference points
 - The report should make reference to previous studies/assessments.
 - The report should make recommendations or proposals for future assessment or studies.
 - All unprocessed data collected from this consultancy must be entered and stored in a database (or Excel Spreadsheet) and submitted
 - All questionnaires, workshop/ consultation outcomes or reports prepared for use in this consultancy must all be submitted

4. Expected Outputs.

- 1) The Tofol Watershed Baseline Technical Assessment Reports (hard copy and e-copy) – biological, EGS, water quality, socio-economic, and TEK
- 2) Diagnostic Analyses Report (hard copy and e-copy) in MS word version are to be submitted.



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- 3) The Tofol Watershed Management Plan (hard copy and e-copy) in MS word version are to be submitted.
- 4) Consultancy report & Lessons Learned (hard copy and e-copy)
- 5) A PowerPoint presentation of the report containing the highlights and key results and other relevant details from the fieldwork, surveys, diagnostic analysis, consultations and the preparation of the watershed management plan – to be presented by the Consultant to the FSM IW-R2R Project State Technical Advisory Committee.

No	Milestone Output	Schedule	Est. Budget (USD)
1	Inception Report	Feb '21	
2	The Tofol Watershed Baseline Assessment Reports (RapCA) (i) Biological assessment report (land, freshwater, and coastal) (ii) Ecosystem goods and services valuation report (ii) Water quality assessment report (iii) Socio-economic assessment report (iv) Traditional ecological knowledge (TEK) assessment report (v) Lessons learned & Consultancy report (use the template)	Feb-Mar '21	USD20,000
3	Diagnostic Analysis Report (i) Stakeholder consultations (ii) Lessons learned & Consultancy report (use the template)	Apr '21	USD10,000
4	The Tofol Watershed Management Plan (i) Stakeholder consultations (ii) Drafting of the Plan (iii) Draft of the Plan Annexes (e.g., Action Plan or M&E Plan, etc.) (iv) Lessons learned & Consultancy report (use the template)	May-Jun '21	USD15,000
Outputs 2 - 4	PowerPoint presentations *Should capture the highlights and key results to be presented to stakeholders and public *Should be presented to key communities within the study site		

5. Duration of Work.

The assignment is due for completion within a period of **120 days (4 months/18 weeks)** noting that all deliverables must be completed not later than **June 30, 2021**. A team of



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consultant shall be engaged to undertake the consultancy working concurrently according to a planned schedule.

The consultants, in consultation with the Department of Environment, Climate Change and Emergency Management, and the Kosrae Conservation and Safety Organization is expected to propose a work layout, plan, budget and timeline to achieve the expected outputs with the appropriate methodology.

6. Date of Commencement.

The consultancy shall commence the Consultancy Services on the **date the contract is signed**.

7. Project Milestone Targets and Budgets

The total cost of the consultancy is **USD \$45,000.00**

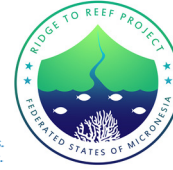
<i>Milestone Outputs</i>	<i>Means of Verification – Due Dates</i>	<i>Payment Conditions</i>
1. Inception report incl. detailed workplan and IWMP outline, along with methodology and timeframe	Upon signing of contract	20%
2. The Tofol Watershed Baseline Assessment Reports (RapCA)	- Draft Technical Reports; week 1 March - Final Technical Reports, Lessons Learned Report, Draft IWMP; end of March - Consultancy Report & Lessons Learned, end of March	30%
3. Diagnostic Analyses Report	Draft Report – week 3 of April Final Report – week 1 of May Consultancy Report & Lessons Learned	20%
4. The Tofol Watershed Management Plan	Draft Tofol Watershed Management Plan; end of May Final Tofol Watershed Management Plan; end of June Consultancy Report & Lessons Learned, end of June	30%
PowerPoint presentations	Output 2 (end of March) Output 3 (end of May)	



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	Output 4 (end of June)	
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8. Qualification and Requirements

To be considered for this consultancy, the candidate should have:

- Degree or post-graduate level in environmental or natural resource science including focus on ecosystem management
- More than 5-years of relevant and practical work experience promoting watershed/ resource protection or management
- Excellent knowledge of English and be an experienced writer, able to produce concise, accessible text
- Ability to conduct consultation with locals
- Detailed proposal and methodology.
- Detailed financial proposal based on specific deliverable (Diagnostic report, management plan, etc.).

9. Application Submission

Interested individual consultants must submit the following documents/information

- Letter of Confirmation of Interest and Availability to complete this consultancy. If you are interested and available but can only deliver part of the consultancy, indicate so.
- Personal CV indicating all past experience from similar projects, as well as the contact details (email and telephone number) of the Candidate

to **Faith Siba**, FSM IW-R2R Project Manager via email at faithsiba@gmail.com , or submit hard-copy at Kosrae Conservation and Safety Organization Office located in Tofol, Kosrae.

10. Closing Date.

Friday, February 26, 2021.