



Ridge to Reef Project Seychelles Parks and Gardens Authority

TERMS OF REFERENCE

TO

DELIVER TRAINING ON THE INTERGRATION OF ADVANCED TECHNOLOGIES IN MARINE TURTLE TEMPERATURE MONITORING AND TO ANALYSE AND DEVELOP A COMPREHENSIVE REPORT FROM DATA GATHERED FROM THE 2024-2025 TURTLE SEASON.

Local: SPGA, Seychelles

Duration: 6 Months Contract (Sept 2024 –Mar 2025)

Starting date: 24th September 2024

Application Deadline: 13th September 2024

A. BACKGROUND

The Seychelles Parks and Gardens Authority (SPGA) is a financially autonomous Public Enterprise (PE), which operates under the umbrella of its parent Ministry; the Ministry of Agriculture, Climate Change and Environment, (MACCE). The Authority is entrusted with managing the protected areas and designated gardens of Seychelles, operating under its founding legislation; the Seychelles Parks and Gardens Authority Act 2022 and the Nature Reserves and Conservancy Act 2022 - following the merger between the former Seychelles National Parks Authority and the National Botanical Garden Foundation. Within its jurisdictions and mandates, SPGA oversees the Morne Seychellois and Praslin Terrestrial National Parks, the Ile Cocos, Ste. Anne, Curieuse, Baie Ternay and Port Launay Marine Parks, as well as the National Botanical Garden and the National Biodiversity Centre. SPGA thoroughly engages with its partners, stakeholders and collaborators to ensure synergies and cooperation in works undertaken, allowing for the maximization of expertise, resources and positive outcomes.

Mission: Ensuring that the protected areas and gardens are managed for the benefit of all.

Vision: That the parks and gardens of Seychelles are thriving and secure, sustained by adequate finances and a network of relevant stakeholders.

Mandates:

- a) Promote the participation of Government, the public, and businesses in conservation work
- b) Protect and manage effectively the ecosystems and biodiversity in designated Protected Areas that fall under the jurisdiction of the Authority
- c) Implement national conservation policies and obligations under multilateral agreements
- d) Implement forestry practices and management
- e) Protect habitats and ecosystems from anthropogenic threats such as forest fire, pollution, and coral destruction
- f) Undertake specialist services such as plant identification and offer specialist consultancy services
- g) Facilitate and conduct research related to biodiversity and protected areas
- h) Deliver services of a high standard for the users of gardens and parks
- i) Engage in commercial activities related to the functions of the Authority
- j) Provide tourism and recreational activities
- k) Provide gardening and landscaping services, guided tours, and similar services.

B. INTRODUCTION

The Ministry of Agriculture, Climate Change and Environment (MACCE) is implementing a GEF-funded project entitled “A Ridge to Reef Approach for the Integrated Management of Marine, Coastal and Terrestrial Ecosystems in the Seychelles” (R2R project).

The Project’s objective is to undertake a comprehensive Ridge to Reef (R2R) approach that addresses the ‘whole island’ priorities of improved management and conservation of upland forest and agricultural ecosystems, as well as coastal and marine ecosystems in the Seychelles, to produce global benefits in terms of conservation of globally significant biodiversity and the effective management of large marine ecosystems (including coastal and near-shore marine ecosystems), and to arrest and reverse ecosystem degradation.

The outcomes of the project are:

1. Expansion of marine and terrestrial protected areas of the Seychelles’ Inner Islands
2. Strengthened management of upland KBAs and adjacent areas to enhance the flow of ecosystem services through the R2R approach
3. Promoting the ‘Ridge to Reef’ (R2R) approach through knowledge management, ecosystem health monitoring and inter-sectoral coordination
4. Knowledge Management, M&E and Gender Mainstreaming

The project falls within the portfolio of GEF-UNDP projects in Seychelles, coordinated by the Program Development and Coordination Section.

2. **OBJECTIVE AND CONTEXT OF THIS COMPONENT OF THE PROJECT**

Under Component 1: Expansion of marine and terrestrial protected areas of Seychelles' Inner Islands, specifically Outcome 1.2.1“Improved management of existing Marine Protected Areas (MPA), namely Port Launay, Baie-Ternay and Curieuse Marine National Parks managed by the Seychelles Parks and Gardens Authority (SPGA)”, Activity 2: Reduce the impact of tourism activities on coral reef ecosystems

The Seychelles Parks and Gardens Authority (SPGA) is seeking the services of a consultant to provide training on effective temperature monitoring within turtle nests. This initiative aims to enhance understanding of sea turtle nesting behavior, particularly focusing on the effects of temperature on successful incubation and sex ratio determination. The collected data will be crucial for improving marine turtle conservation efforts. The consultant will be responsible for producing a comprehensive report that includes protocols for analyzing the temperature data gathered from the nests.

3. **SCOPE OF WORK**

The main objective of the support towards the Ridge to Reef Project is to provide expertise on monitoring nest temperatures, interpreting data, implementing strategies to mitigate the impacts of temperature changes on nests and provide an in-depth analysis report of the data collected during the turtle season.

The support serves several key objectives, namely;

1. Procurement of 6 HOBO Tidbit MX Temperature 400-ft Data Logger and any other equipment to be used during the training.
2. Conduct in-house training sessions on effective data collection techniques and protocols for nest monitoring.
3. Guide the SPGA team on best practices for temperature monitoring in turtle nesting clutches.
4. Create a comprehensive report on the training, temperature monitoring, protocols and any related matters of the consultancy.
5. Develop protocols for analyzing temperature data collected from the nests.
6. Create two educational posters, (digital and hard copy) to effectively communicate and educate the public about; (i) Marine turtle hatchlings and the impact of temperature on their development. (ii) Marine Turtle Hatchling Life Cycle and Response Protocol
(10 hard copy and digital soft copy of both posters: standard poster size)

SCOPE OF FINAL REPORT

1. Create a comprehensive report detailing survey findings, methodology, recommendations.
2. Provide demographic information in the report for the survey conducted in the parks.
4. Provide an extensive analysis of the collected data.
5. Identify and document the limitations and challenges encountered during data collection.

6. Utilize relevant documents, standard survey manuals, and protocols to enhance the report's quality.
7. Identify and document the limitations and challenges encountered during data collection.

Table 1: Payment modality

S/N	Outputs/Deliverables	Fee (%)	Time Schedule	Remarks
1	Advance payment for procuring of equipment's	25%	24 th September 2024	6 HOBO Tidbit MX Temperature 400-ft Data Logger and any other equipment to be used during the training.
2	In-house Training/ Workshop	25%	2 nd October 2024	<ol style="list-style-type: none"> i. <u>Half Day in house Training</u> at SPGA Training Room ii. <u>On the Field Training</u> in Ste. Anne MPA. (SPGA will take care of logistics)
3	Draft of report and educational posters	30%	4 th March 2025	
4	Final report and educational poster	20%	10 th March 2025	
	Total	100		

All deliverables shall be submitted in appropriate format, in MS Word, in PDF, and any other format as per requirement of the Client to the address of the Chief Executive officer, Mr. Allen Cedras, a.cedras@gov.sc

8. **TYPE OF CONTRACT**

This is a short-term national contract.

9. **QUALIFICATION OF SUCCESSFUL INDIVIDUAL CONSULTANT**

Education

- Postgraduate Degree (MSc) or higher in environmental science, marine biology, or relevant field.

Skills

- At least 3 years of experience with Turtle Monitoring
- Experience in using Arc GIS or Arc GIS Pro is an advantage
- Excellent written communication skills
- Strong writing, presentation, and reporting skills

- Fluency in both written and spoken English and French for public material purposes
- Excellent communication skills with experience in moderation and facilitation of stakeholder discussions, training, and reviews.

10. **DURATION AND TIMELINE**

The assignment is expected to be implemented within 6 months, commencing on the 24th September 2024 and be completed by the 10th March 2025.

11. **RECOMMEND PRESENTATION OFFER**

The following documents are requested:

- Personal CV indicating all experience and skills from similar assignments
- Technical offer: Brief description of why the individual considers him/herself as the most suitable for the assignment
- Financial Proposal that indicates the all-inclusive fixed total contract price, supported by a breakdown of costs.
- A simple work plan or timeline **using the template provided in Annex 1**

12. **CRITERIA FOR SELECTION OF THE BEST OFFER**

When using this weighted scoring method, the award of the contract should be made to the individual consultant whose offer has been evaluated and determined as:

- Responsive/compliant/acceptable, and
- Having received the highest score out of a pre-determined set of weighted technical and financial criteria specific to the solicitation.

The Evaluation Criteria for the Shortlisting of applicants is as per Table 2.

Table 2: The evaluation criteria for the shortlisting of applicants.

Criteria	Max Point
Education	25
Relevant professional experience in	35
Suitability of technical approach	30
English Language	5
Computer skills	5

Candidates scoring a minimum of 60% of the maximum marks on the above criteria will be short-listed and assessed by a desk review panel.

The financial offers will be evaluated giving the lowest price proposal 40 marks and marking the other more expensive proposals reverse proportionally to the lowest offer.

The final scoring of short-listed candidates will consider the interview score and the financial score.

The method of calculation of the final score is shown in Table 3 below.

Table 3: Calculation of Scores for Selection of the Strategic Support.

Criteria	Max. Score (%)
Desk Review Panel	60
Financial	40

ANNEX 1

TEMPLATE FOR THE PROPOSED WORK PLAN

The purpose of this template is to provide sufficient details for the proposal to be evaluated, enabling reviewers to see how you intend to complete the job on time.

NAME: **TEL: (248):**

TIN:

CONTRACT DURATION:

(Please refer to TOR – you may propose an alternative)

SCOPE OF WORK AND PROPOSED APPROACH:

(Please refer to TOR – and elaborate approach)

LIST OF DELIVERABLES AND PROPOSED TIMELINE:

(Please refer to TOR – and indicate a timeline)

WORKPLAN WITH PROPOSED TIMELINE FOR EACH TASK

Tasks to be completed (see scope of work in TOR)	Proposed Timeline (weeks/months)									
	<i>Wk.</i> <i>1</i>									
Sign the contract and submit the revised/final work plan	X									
Etc...										

ADDITIONAL NOTES IF RELEVANT: