



## REQUEST FOR TENDERS

File: AP\_3/29  
Date: 16 June, 2020  
To: Interested Consultants  
From: Semi Qamese – PACRES M&E Officer

**Subject: Request for tenders: Consultancy to map the Barana Nature and Heritage Park Boundary to include the whole Mataniko Catchment and parts of Lunga/Betikama/Boko Catchment (Honiara Water Source).**

### 1. Background

- 1.1. The Secretariat of the Pacific Regional Environment Programme (SPREP) is an intergovernmental organisation charged with promoting cooperation among Pacific islands countries and territories to protect and improve their environment and ensure sustainable development.
- 1.2. SPREP approaches the environmental challenges faced by the Pacific guided by four simple Values. These values guide all aspects of our work:
  - We value the Environment
  - We value our People
  - We value high quality and targeted Service Delivery
  - We value Integrity
- 1.3. For more information, see: [www.sprep.org](http://www.sprep.org).

### 2. Specifications: statement of requirement

- 2.1. SPREP would like to call for tenders from qualified and experienced local consultants who can offer their services to SPREP in mapping the Barana Nature and Heritage Park Boundary to include the whole Mataniko Catchment and parts of Lunga/Betikama/Boko Catchment (Honiara Water Source).
- 2.2. The Terms of Reference and the specific statement of work for the consultancy are set out in Annex A.

### 3. Conditions: information for applicants

- 3.1. To be considered for this tender, interested suppliers must meet the following conditions:
  - i. Submit details of qualification and previous relevant experience in boundary survey and mapping in the Pacific region or equivalent developing countries;
  - ii. Must be a registered surveyor;
  - iii. Must be legally able to work in Solomon Islands for the duration of the consultancy;
  - iv. Fluency in Solomon Islands pidgin is highly desirable;
  - v. Provide at least three referees as part of their tender application;
  - vi. Provide examples of related past work outputs; and
  - vii. Complete the **tender application form** – *(please note you are required to complete all areas in full as requested on the form, particularly the Statements to demonstrate you meet the*



# SPREP

Secretariat of the Pacific Regional  
Environment Programme



10th Pacific Islands Conference

## NATURE CONSERVATION AND PROTECTED AREAS

*Nature Conservation Action for a Resilient Pacific*

*selection criteria – DO NOT refer us to your CV or your Technical Proposal. Failure to do this will result in the application **not** being considered).*

#### 4. Submission guidelines

- 4.1. Tender documentation should demonstrate that the interested supplier satisfies the conditions stated above and is capable of meeting the specifications and timeframes. Documentation must also include supporting examples to address the evaluation criteria. Describe any additional minimum content and format requirements.
- 4.2. Tender documentation should outline the interested supplier's complete proposal and include:
  - a. The CVs of proposed personnel highlighting related experience relevant to the tender;
  - b. A Technical Proposal which should outline the interested consultant's approach, including timelines to achieve the tasks outlined in the Terms of Reference.
  - c. A Financial Proposal which break down costs for the main components of the project.
  - d. A Completed Tender Application Form.
- 4.3. Tenderers/Bidders must insist on an acknowledgement of receipt of tenders/proposals/bids.

#### 5. Tender Clarification

- 5.1. Any clarification questions from applicants must be submitted by email to Maraea Pogi on [maraeap@sprep.org](mailto:maraeap@sprep.org) and Semi Qamese [semi@sprep.org](mailto:semi@sprep.org) before **26 June 2020**. A summary of all questions received with an associated response will be posted on the SPREP website [www.sprep.org/tender](http://www.sprep.org/tender) by **29 June 2020**.

#### 6. Evaluation criteria

- 6.1. SPREP will select a preferred supplier on the basis of SPREP's evaluation of the extent to which the documentation demonstrates that the tenderer offers the best value for money, and that the tenderer satisfies the following criteria:
  - i. A qualification from a recognized tertiary institution in a field related to Surveying, Geospatial Science, Geography or other related discipline (10%);
  - ii. Experience in working on Digital Elevation Models or similar spatial datasets using applicable mapping software with hydrology tools and dealing with land acquisition related processes within the Pacific region (25%);
  - iii. Ability to work effectively as part of a team or independently with minimal oversight (10%);
  - iv. Demonstrated experience interacting and communicating with rural communities and other stakeholders (10%);
  - v. Detailed technical proposal/workplan and methodology (25%); and
  - vi. Detailed financial proposal (20%).



**SPREP**  
Secretariat of the Pacific Regional  
Environment Programme



10th Pacific Islands Conference

**NATURE CONSERVATION  
AND PROTECTED AREAS**

*Nature Conservation Action for a Resilient Pacific*

## 7. Deadline

- 7.1. **The due date for submission of the tender is: 03 July 2020 midnight (Apia, Samoa local time).**
- 7.2. Late submissions will be returned unopened to the sender.
- 7.3 Please send all tenders clearly marked 'TENDER: Consultancy to map the Barana Nature and Heritage Park Boundary to include the whole Mataniko Catchment and parts of Lunga/Betikama/Boko Catchment (Honiara Water Source)' to one of the following methods:

Mail: SPREP

Attention: Procurement Officer

PO Box 240

Apia, SAMOA

Email: [tenders@sprep.org](mailto:tenders@sprep.org) (MOST PREFERRED OPTION)

Fax: 685 20231

Person: Submit by hand in the tenders box at SPREP reception,  
Vailima, Samoa.

SPREP reserves the right to reject any or all tenders and the lowest or any tender will not necessarily be accepted.

**For any complaints regarding the Secretariat's tenders please refer to the  
Complaints section on the SPREP website**  
<http://www.sprep.org/accountability/complaints>



## ANNEX A - TERMS OF REFERENCE

### **BOUNDARY SURVEY AND MAPPING OF THE BARANA NATURE AND HERITAGE PARK BOUNDARY TO INCLUDE THE WHOLE MATANIKO CATCHMENT AND PARTS OF LUNGA/BETIKAMA/BOKO CATCHMENT (HONIARA WATER SOURCE)**

#### **Background and rationale**

Solomon Islands is one of five Pacific ACP countries where the €12 million EU funded Intra-ACP GCCA+ Pacific Adaptation to Climate Change and Resilience Building (PACRES) is scaling up adaptation/ecosystem-based adaptation (EbA) pilots. This work is being implemented jointly by the Secretariat of the Pacific Regional Environment Programme (SPREP), the Pacific Community (SPC) and the University of the South Pacific (USP).

Honiara is the capital of Solomon Islands and is located on Guadalcanal Island, the largest island in Guadalcanal Province. The city is located on the north-western coast of the island and is flanked inland by steep hills that have largely been cleared of forest (UN-Habitat 2012). The boundary of Honiara City Council (HCC) is approximately 11.5 km by 2.7 km at its longest and widest (total area is around 23 square kilometres)<sup>1</sup>.

Terrestrial watersheds (e.g. forests) surrounding greater Honiara's major waterways are a keystone ecosystem underpinning many of the local and downstream ecosystem services on which Honiara's residents are largely dependent. Intact watersheds of the major Lunga, Mataniko and Kovi/Kongulai Rivers, in particular, contribute to ecosystem services derived from much of Honiara's terrestrial, aquatic and marine ecosystems (e.g. provision of raw materials and income generation from forests, provision of water and food in rivers, provision of food and incomes from the nearshore marine environment)<sup>2</sup>.

The Pacific Ecosystems-based Adaptation to Climate Change (PEBACC) project with the support of the Solomon Islands Government through Ministry of Environment, Climate Change, Disaster Management and Meteorology (MECDM) and Ministry of Forestry and Research, and the Guadalcanal Provincial Government, has supported the establishment of the Barana Nature and Heritage Park to improve the upper Mataniko and Lunga catchment area to increase provision of fresh water supply and other ecosystem services.

This PACRES project will support the mapping of the Barana Nature and Heritage Park boundary to include the whole Mataniko catchment and parts of Lunga/Betikama/Boko catchment (Honiara water source).

To that end SPREP requires the services of a suitably qualified local consultant-surveyor to survey and map the Barana Nature and Heritage Park boundary to include the whole Mataniko catchment and parts of Lunga/Betikama/Boko catchment (Honiara

---

<sup>1</sup>SPREP, Honiara Ecosystem and Socio- economic Resilience Analysis and Mapping

<sup>2</sup> <https://www.sprep.org/sites/default/files/documents/publications/solomon-islands-esram-eba-options-assessment-honiara.pdf>



**SPREP**  
Secretariat of the Pacific Regional  
Environment Programme



10th Pacific Islands Conference

**NATURE CONSERVATION  
AND PROTECTED AREAS**

*Nature Conservation Action for a Resilient Pacific*

water source). Due to COVID-19 and the current uncertainty with travel arrangements, there will be no international travel. Non-Solomon Islands residents can apply but need to identify a local counterpart as part of your proposal who will undertake the in-country consultations. MECDM with the support of the Guadalcanal Provincial Government and the Ministry of Lands will formalize and register the amended boundary of the Barana Nature and Heritage Park.

### **Scope of work**

Supervision: The Consultant will work under the guidance of the Barana Nature and Heritage Park committee with support from the Guadalcanal Provincial Government's Lands Division and MECDM's Geography Information System & Research office.

The scope of work is:

- (a) boundary survey and mapping of the Barana Nature and Heritage Park areas and boundaries;
- (b) delineation of Lunga and Mataniko watershed to define catchment boundaries;
- (c) community consultations and resource mapping of sites of significant importance as tourist attractions;
- (d) sketch footpaths connecting sites of tourist attractions starting from the main hub center; and
- (e) The mapping will clearly outline different land use for the park identifying areas of conservation, gardening and other land use.

#### ***a. Boundary Survey and Mapping***

Boundary survey and mapping will focus on demarcation of the nature park boundary based on previous work done by the PEBACC project. The actual demarcation of the boundary requires ground truthing, taking GPS coordinates (points) along the boundary of the park. This will be used to place as boundary pegs for the official boundary of the park. The task should be carried out after consulting the community to verify and confirm the proposed boundary to avoid any conflict or issues related to land and resource ownership.

#### ***b. Delineation of the Lunga and Mataniko Watersheds to define catchment boundaries***

Delineation of the watersheds is needed to correctly define catchment boundaries of the Lunga and Mataniko river system. The process requires several geoprocessing stages of analyses to be conducted on available high-resolution imageries or Digital Elevation Models using appropriate software such as ArcGIS. This task will produce several important datasets that will be used in the ongoing management of Mataniko river catchments and the nature park.

#### ***c. Community consultation and Resource mapping***



Engaging the community in documenting and mapping their land and resources is an important part of this consultancy work. There is a requirement to document valuable landscape and resources within the proposed boundary of the nature park including the catchment boundary of Lunga and Mataniko river system. The task should also include historical sites, taboo sites, scenery, trails, leisure activities etc. These should be identified on a map and then verified by conducting a ground survey. The data collected will be used for the purpose of planning and managing future developments of the park.

**d. Sketch footpath connecting sites of tourist attraction**

A footpath network connecting sites of tourist attractions is one of the key components of the nature park development plans. The consultant will draw footpath networks linking all sites of tourist attractions documented and verified during resource mapping. The footpath network should be surveyed by foot before sketching. All hazards (landslide potential areas, rock fall areas, sink holes, flood prone areas) in close proximity to the footpath network should be identified. Data and information generated will be used for the design and construction of the footpath network for the nature park's developments.

The mapping will clearly outline different land uses for the park identifying areas of conservation, gardening and other land uses.

**Project schedule and deliverables**

The consultancy will commence as soon as practicable and be completed by **30 September 2020**. Expected project activity is detailed in Table 1 below. The tender response should detail how and when these steps will be delivered by submitting a Technical Proposal.

#	Activity and deliverables
1	Notification of successful consultant.
2	Contract signed
3	Commencement meeting via Skype or telephone between successful consultant, PACRES Project Management Unit (PMU) and the Director of Solomon Island's Climate Change Division.
4	Approval of work plan and methodology
5	Boundary Survey and Mapping, the consultant will submit the following: i. Nature Park Boundary (polygon) and GPS coordinates (points) of the surveyed boundary in shapefiles (.shp file) format; and ii. Map showing the surveyed boundary with boundary pegs in JPEG (300dpi) and PDF (300dpi) format.
6	Delineation of the Lunga and Mataniko Watersheds to define catchment boundaries. The consultant will submit the following: i. Overall watershed boundary (polygon) in shapefiles (.shp file) format; ii. Catchment boundaries of streams within the watershed (polygons) in shapefiles (.shp file) format; iii. Streams and river systems (lines) in shapefiles (.shp file); and





	iv. Map showing watershed and catchment boundaries including streams and river in JPEG (300dpi) and PDF (300dpi) format.
7	Community consultation and Resource mapping, the consultant will submit the following: i. Community consultation report PDF and word format; ii. Features such as landscape, resources, historical sites, scenery, trail etc. are digitized (points, lines, polygons) in shapefile (.shp file); and iii. Land use maps to ensure the park's different land uses are clearly marked and demarcated. JPEG (300dpi), PDF (300dpi).
8	Sketch footpath connecting sites of tourist attraction, the consultant will submit the following: i. Footpath network plan (lines) in shapefiles (.shp file); ii. Hazards (Points, Polygons) in shapefiles (.shp file); and iii. Map of footpath network plan in JPEG (300dpi) and PDF (300dpi).

Note: The PACRES PMU and MECDM will organise the two national stakeholder consultations.

## Budget

The Financial Proposal to be priced based on a work plan on where, when and how the technical assistance will be conducted. The proposal should be for the **fees component only** associated with undertaking the work outlined above. SPREP will fund at least 2 national stakeholder consultations. Any requirements outside of the fee's component should be costed but not included in the budget proposal.

## Qualification/Expertise

- A qualification from a recognized tertiary institution in a field related to Surveying, Geospatial Science, Geography or other related discipline;
- Experience in working on Digital Elevation Models or similar spatial datasets using applicable mapping software with hydrology tools and dealing with land acquisition related processes within the Pacific region;
- Ability to work effectively as part of a team or independently with minimal oversight; and
- Demonstrated experience interacting and communicating with rural communities and other stakeholders.
- The successful consultant must supply the services to the extent applicable, in compliance with SPREP's Values and Code of Conduct  
[https://www.sprep.org/attachments/Publications/Corporate\\_Documents/sprep-organisational-values-code-of-conduct.pdf](https://www.sprep.org/attachments/Publications/Corporate_Documents/sprep-organisational-values-code-of-conduct.pdf)