

## ***Request for Quotations***

*(Development of an Environmental Management Plan for Turtle and Mangrove rehabilitation Programme in L. Gaadhoo)*

## **ANNEX 1: TERMS OF REFERENCE**

### **Objective and Scope of Preparation of Mangrove and Turtle Conservation Plan**

L. Gaadhoo is identified as one of the islands in the Maldives that has unique mangrove habitat. Additionally, the island is also known as turtle breeding ground. Hence, this project aims to prepare a Mangrove and Turtle Protection and Conservation Plan for the island. In order to ensure short and long-term environmental impacts that would arise due to improvement and rehabilitation work (to be described in the first section based on the sub-project/activity), a Protection and Conservation Plan will be developed as per the EMP (Schedule E 3) scope presented below and in accordance to the Environmental Impact Assessment Regulations (2012).

1. **Introduction:** Briefly describe the major components of the proposed project. Provide background information on the project, including project plans, purpose, objectives, and details of project schedules.

The introductory chapter should also cover the legal aspects related to the project, which is detailed below.

Legislative and Regulatory Considerations: Outline the project's consistency with the existing national, state, regional and local planning that apply to the project include reference to relevant statutory and non-statutory plans, planning policies, guidelines, strategies, and agreements as appropriate. Outline the pertinent policies, regulations and standards governing project location, land use, environmental quality, and public health and safety. This section does not have to be exhaustive but should cover information on legal requirements specific to the project, such as permits to be taken under the Environmental Impact Regulations (2012) and the land allocation process followed with MLSA and other relevant institutions.

2. **Study Area:** Specify the boundaries of the study area for the protection and conservation area highlighting the location and size of the proposed location. The study area should include nearby

environmentally sensitive areas. Justification for site selection shall be provided (A3 size Scaled). Relevant developments in the area must also be addressed including residential areas and all economic ventures and cultural sites.

3. **Existing Environment:** The existing environment study will not require detailed data collection and survey, analysis techniques since this is a Conservation Plan and not a full EIA study. However, the following information must be provided based on field observations and consultations with the island council and the community. Photographic evidence should be provided where appropriate.

- a) Coastal Modification / Erosion: Provide information related to any coastal modifications undertaken in the island in recent history and the side of the island subjected to coastal erosion. Indicate whether any coastal erosion is noticed from the shoreline closest to the proposed development.
- b) Vegetation present at the site: Describe the number and type of vegetation present at the project site including scientific and local names.
- c) Protected Areas and Environmentally Sensitive Sites: Provide information on the environmentally protected and sensitive areas that exists close to the proposed development.

4. **Project Description:** Provide a full description and justification of relevant parts of the project, using maps at appropriate scale where necessary. The following should be provided including all inputs and outputs related to the proposed activities shall be justified.

- a) Provide a clearly labelled concept design and scaled site plan of the project boundary.
- b) Submit a detailed description of the components of the project and how the project activities will be undertaken.
- c) Describe the activities of the proposed components.
- d) Describe the operational phase components of the project including operationalization of the EMP Action Plan
- e) Include a project schedule.
- f) A matrix of inputs and outputs related to the project activities shall be included and described separately for construction and operational phase.

5. **Impact Identification:** The EMP report should identify all the impacts, direct and indirect, during rehabilitation programme, and evaluate the magnitude and significance of each. Particular attention shall be given to impacts associated with the following:

- a) Physical / Chemical: describe impacts on groundwater, soil, noise, and waste.
- b) Biological: describe impacts on vegetation and fauna.

The methods used to identify the significance of the impacts shall be outlined. One or more of the following methods must be utilized in determining impacts, checklists, matrices, overlays, networks, expert systems, and professional judgment. Justification must be provided to the selected methodologies. The report should outline the uncertainties in impact prediction and outline all positive and negative/short and long-term impacts. Identify impacts that are cumulative and unavoidable.

**6. Mitigation and management of negative impacts:** Identify possible measures to prevent or reduce significant negative impacts to acceptable levels. These will include both environmental and socio-economic mitigation measures. Mitigation measures to avoid or compensate the rehabilitation process. Cost the mitigation measures, equipment and resources required to implement those measures. The confirmation of commitment of the developer to implement the proposed mitigation measures shall also be included. An Environmental management plan for the proposed project, identifying responsible persons, their duties and commitments shall also be given. In cases where impacts are unavoidable arrangements to compensate for the environmental effect shall be given.

**7. Development of monitoring and Conservation plan:** Identify the critical issues requiring monitoring to ensure compliance to mitigation measures and present impact management and monitoring plan for vegetation clearance, spillage assessment and grievance redress mechanism. Detail of the monitoring program including the physical and biological parameters for monitoring, cost commitment from responsible person to conduct monitoring in the form of a commitment letter, detailed reporting scheduling, costs and methods of undertaking the monitoring program must be provided. The plan shall also identify positive actions and strategies that would be required to sustain the ecosystem including an action plan for conservation of core habitat identified.

**8. Stakeholder consultation:** Identify appropriate mechanisms for providing information on the development project to relevant stakeholders. Consultations must be undertaken with the island council and local NGOs. The report should include a list of people/groups consulted, their contact details and summary of the major outcomes.

**Presentation-** The EMP report, to be presented in digital format, will be concise and focus on significant environmental issues. It will contain the findings, conclusions and recommended actions supported by summaries of the data collected and citations for any references used in interpreting those data. The EMP report will be organized according to, but not necessarily limited by, the outline given in the Environmental Impact Assessment Regulations (2012).