



## **Ministry of National Planning and Infrastructure**

Republic of Maldives

Advertisement Reference: (IUL)471-PIDS2/1/2019/384

Date: 12<sup>th</sup> December 2019

### **COASTAL PROTECTION AT GN.FUVAHMULAH**

#### **PROJECT ENGINEER TERMS OF REFERENCE**

##### **A. PURPOSE**

The Government of the Republic of Maldives through the Ministry of National Planning and Infrastructure (MNPI) is implementing “Coastal Protection at Gn. Fuvahmulah” financed by the Netherlands Enterprise Agency and the Kuwait Fund for Arab Economic Development, and intends to apply part of the proceeds for the selection of a Project Engineer for the implementation of this project by Ministry of National Planning and Infrastructure.

##### **B. BACKGROUND**

Coastal erosion is one of the most serious environmental issues facing Fuvahmulah. According to the present assessment, coastline regression due to erosion has been on average 0.8m/year over the period of the past 47 years (1969 – 2016). It is believed that approximately 15 ha of land had been lost from the island due to erosion. As a result, several important buildings, facilities and palm trees have been found at the border of the eroding coastline. The project Island has an elongated shape with raised ridges at the coastal margin sloping down towards the middle where depressions with swampy areas and two freshwater lakes in the middle. The ridge forms a natural protection against flooding of the island. However, erosion is threatening the integrity of the ridge at the north-eastern side of the island. When the ridge breaches serious flooding of a large part of the island will occur affecting the livelihood of the people, freshwater bodies, agricultural produce and infrastructure on the Island. The population on the Island is highly concerned about this serious risk resulting in feelings of insecurity and limiting socio-economic development of the island.

##### **C. OBJECTIVES OF ASSIGNMENT**

The objective of this assignment is to provide technical and engineering input for project activities, in accordance with the project documents and as per the donor guidelines in collaboration with the project team and stakeholder agencies to ensure all implementation arrangements of projects are carried out smoothly and on time.

## **D. OVERALL RESPONSIBILITY**

The overall responsibilities of the Project Engineer include, but are not limited to the following:

1. Technical coordination of the project activities
2. Participate in construction oversight activities for the project
3. Monitoring and evaluating civil works projects carried out by the PMU

## **E. SCOPE OF WORKS**

The Project Engineer will carry out the following activities:

- Liaise with Project stakeholders to ensure technical compliance of project components with Project Approval Documents and Operational standards of regulators and donors;
- Visit project sites and inspect the civil works of project and give site specific suggestions where necessary;
- Reviewing technical design of project and bill of quantities, and revising the design specifications in accordance with project documents;
- Assistance during field surveys and subsequent report compilations;
- Assistance in tendering process, including in procurement and contract negotiations stage;
- Assistance in preparing and revising project activities and financial plans as when required by the Government and funding agency;
- Assist in review and evaluation of project reports and documents;
- Review payment invoices and preparation of interim payment certificate;
- Assist and advice PMU in preparing information/reports such as annual work plan, annual project review reports, project progress reports, bi-annual reports, quarterly reports etc. and other documentation requested by MNPI or funding agency for review and/or for presentation;
- Provide technical input on projects documents as required;
- Participate in construction oversight activities during civil works, and maintain regular meetings, maintaining logs and records of the progress, issue of change notices and approval of payments;
- Participate in document review, evaluation and other relevant committees that may be formed under PMU as required;
- Assist and advice the Ministry (MNPI) in developing and reviewing proposals, concept and designs pertaining to coastal protection projects and provide necessary comments and suggestions.
- Participate in monitoring and evaluation for the contracts issued for projects managed by PMU including but not limited to the following:
  - i) Implementation schedules and budget;
  - ii) The performance of the component against the component objectives;
- Undertake other technical tasks as and when required by the MNPI

## **F. QUALIFICATIONS AND EXPERIENCE**

1. Minimum undergraduate degree related to Civil/Environmental or Coastal Engineering with at least five (5) years of experience in a similar assignment.
2. Must have professional work experience of at least five (05) years' with minimum three (3) years' experience in designing and implementing coastal protection and/or coastal modification projects.
3. Previous work experience in donor funded projects would be an added advantage.
4. Should possess sound knowledge of computer aided design software/applications;
5. Should have excellent command over English language with proven communication, presentation and negotiation skills
6. Should have strong command over English language with proven communication, presentation and negotiation skills and in, discussing and resolving difficult issues and have ability to work efficiently and effectively with a multidisciplinary team.
7. The successful individual must be willing to work for extended periods without direct supervision and travel routinely to project site.
8. In addition, the individual's reputation of integrity and impartiality routed in independent from third parties shall be considered.
9. The short-listed candidate will be requested to participate in personal interviews and submit the names and contact details of personal referees who can attest to their ability.
10. The successful candidate must understand the objectives and delivery mechanisms of the projects portfolio. He/she must be willing to work in a team, be flexible to emerging or changing conditions, and undertake initiative in his/her broad field of actions.

## **G. REPORTING REQUIREMENT**

1. Report directly to the Head of Infrastructure department on all aspects of Project Management throughout the duration of the contract unless otherwise advised by the Client.
2. The engineer should report to work on weekdays from 0800-1400 hours other than public holidays.
3. The PE shall ensure that all the required reports for the project are prepared on time, in accordance with the requirements of Client and respective donor agencies.

## **H. SCHEDULE FOR THE ASSIGNMENT**

Duration of the assignment is **24** months from the commencement of the works with potential extension based on performance and need.

## I. SELECTION CRITERIA

The Project Engineer will be selected based on the following criteria.

<b>Rating Criteria</b>	
<b>Criterion</b>	<b>Rate</b>
Work Experience	40 points
Work experience at least five (5) years	20
Work experience in similar assignments at least three (3) years	15
Work experience in previous donor funded projects	5
Education	30 points
Undergraduate Degree in Civil/Environment or Coastal Engineering	10
Postgraduate Degree in Civil/Environment or Coastal Engineering	20
Interview	30 points

## J. REMUNERATIONS

Monthly remuneration from the project will be between MVR 38,000.00 to MVR 43,700 based on the education qualification and experience.

## K. SERVICES AND FACILITIES TO BE PROVIDED BY THE CLIENT

1. Office space and other facilities such as computers will be provided as required.
2. Local transport for official travel between Male', inter-Atolls and inter-islands and allowances to cover food and accommodation for the trips will be provided from the projects.
3. Leave Entitlement:

### Unplanned Leave:

- a. The Consultant may take up to ten (10) working days of paid leave per annum or pro rata as may be agreed by the client for medical reasons or emergencies. If the duration is more than two consecutive days, a medical certificate specifying the nature of the consultant's illness and recommended duration of leave issued by a licensed medical practitioner must be submitted on the first day back at work.
- b. The Consultant may take up to ten (10) working days of paid leave per annum or pro rata as may be agreed by the client for Family Responsibility reasons or emergencies.

Planned Leave: The consultant may take up to thirty (30) working days of paid leave per annum or pro rata as may be agreed by the Client.

## **L. APPLICATION**

Interested applicants may submit their proposal in a sealed envelope indicating the following:

1. Letter of Expression of Interest (EOI)
2. Copy of National Identification Card
3. Attested copies of Educational Certificates (copies taken from with original accredited certificates)
4. A CV that demonstrates that the applicant is qualified to perform the services (including a description of similar assignments, experience in similar conditions, availability of appropriate skills etc.)

## **M. SUBMISSION**

Interested candidates may submit their proposals on or before the time provided in the advertisement to the following address:

Infrastructure Department,  
Ministry of National Planning and Infrastructure  
Ameenee Magu, Maafannu  
Male', 20392, Republic of Maldives  
Email: tenders@planning.gov.mv