



Road Development Corporation Limited
Republic of Maldives

Terms of Reference for
CONSULTANCY FOR DETAILED SURVEYING OF SH. MILANDHOO
Date: 29th December 2020

1. BACKGROUND

Road Development Corporation Limited, an incorporated limited liability company operating under the registration number C10482019 and having its registered office at MSL Building, First Floor, Malé, Republic of Maldives (herein after called and referred to as “the Employer”,) wishes to receive bids for the Consultancy service for detailed surveying of Sh. Milandhoo Major roads.

2. SCOPE OF WORK 11

Detailed Surveys including geotechnical survey & hydrological survey required for the detailed design of the proposed roads and storm water management system.

Geotechnical survey

- 1- The Contractor shall undertake all geotechnical investigations required for designing of the road pavement structure and road drainage system.
- 2- The geotechnical investigation shall account for
 - Standard Penetration Test (SPT) borehole x 2nos (location to be approved),
 - Cone Penetration Test (CPT) x 6 no's (Locations to be approved),

Hydrological Survey

- 1- The Contractor shall undertake literature review of existing studies undertaken for the islands inclusive of historical and current rainfall data for the region, any historical and current data on flooding associated with storm surges, any existing hydrological surveys and also carry out studies to determine soil percolation rate and infiltration rate.
- 2- The Contractor shall develop flood risk maps for the island based on the survey data.
- 3- The Contractor shall also carry out the assessment of the current groundwater conditions including level and quality of the ground water.

Contractor shall submit a separate report for each of the above survey and must be submitted for approval. Report should be up to an acceptable standard and should include Title Page, Table of Contents, Executive Summary, Background and Objectives, Methodology, Results, Conclusion and Recommendations, Appendices. Report should be accompanied by softcopies of all raw files such as AutoCAD files, high resolution pictures, etc. in a CD.

3. CONSULTANT'S QUALIFICATION & TEAM COMPOSITION

In order to provide for the top-level performance of the assigned task, the Consultant shall utilize the qualified staff (key personnel as well as the support staff), and shall contribute in testing, amendments till the surveys are approved from authorities.

All the specialists shall be certified professionals in their respective fields with at least 3-year experience in the similar work environment. CV's of the team members are to be submitted for approval procedure.

The consultant should Utilize the following personnel:

N	Consultants	Number	Month	Input, person*month
Key Experts				
1	Team Leader/Project Manager	1	1.0	1.0
2	Structural engineer	1	1.0	1.0
3	Geotechnical engineer	1	1.0	1.0
4	Environmental / Hydrological Specialist	1	1.0	1.0
Non-Key Experts				
5	Surveyors, Surveying assistants	1	1.0	1.0

4. EMPLOYER'S CONTRIBUTION

The employer shall grant access to all available materials, which may be required for the Consultant to perform their services.

5. DURATION OF THE ASSIGNMENT

Expected duration of the consultant assignment is **30 days**.

CONTRACTOR'S REPORTING OBLIGATIONS:

Deliverables	Submission Date	Language
Results of survey- investigation works (topo- geodetic survey, Geotechnical survey and hydrological survey, utility & Conditional assessment survey etc.)	Within 30 calendar days from the commencement date.	English