

Terms of Reference (TOR)

Soil Nutrient Analysis

1. Background

The Japan International Cooperation Agency (JICA) in collaboration with Ministry of Forestry and Research (MOFR), the Solomon Islands Government, is currently carrying out the Project on Capacity Development for Sustainable Forest Resource Management in Solomon Islands (hereinafter referred to as “the Project” and “the Client”). The Project consists of three components and one of which is to initiate and implement pilot activities for Community-based Sustainable Forest Management. As a part of pilot activities, forest inventory is undertaken at our 2 pilot sites (Komuniboli Community in Guadalcanal Province, Falake Community in Malaita Province) and we carried out soil sampling for its nutrient analysis, with an aim of facilitating science/evidence-based land use planning and forest management planning. Since MOFR does not have any facilities and equipment/tools to do soil analysis, the Terms of Reference, therefore, have been prepared to outsource this work to a local consultant (hereinafter referred to as “the Consultant”).

2. Objective

The objective of the work is to carry out soil nutrient analysis on 7 soil samples, which are collected at 2 pilot sites.

3. Scope of Work

3.1 Obtain soil samples and necessary data and information from JICA experts or JICA project staff.

3.2 Conduct nutrient analysis by following items at own laboratory, utilizing own equipment, tools and materials:

- i. Phosphorus Bray 2 (Total reactive P)
- ii. Exchangeable Potassium (K)
- iii. Total Nitrogen (available N)
- iv. Total Organic Carbon (LOI)

3.3 Prepare a report (hereinafter referred to as “the project completion report”) with recommendations for 2 pilot sites

4. Period

The work shall be conducted during the period from 1st October to 11th October 2019 (10 working days during the duration), including Saturday and Sunday, and the Consultant shall submit the project completion report to the Client no later than 13th October 2019.

5. Deliverables

5.1 The Consultant shall submit a result report, including following contents:

1. Result of Soil Nutrient Analysis – Komuniboli Community
2. Result of Soil Nutrient Analysis – Falake Community
3. Recommendations for Komuniboli Community
4. Recommendations for Falake Community

5.2 The Consultant can propose a structure given that the all sections above are covered.

5.3 The Consultant shall also indicate in the report regarding possible Bulk Density of each sample, estimated from total organic carbon.

6. Remarks

Discussion

The Consultant shall discuss the analysis results with the Client as requested/necessary.