



REPUBLIC OF LIBERIA
ENVIRONMENT PROTECTION AGENCY

P.O. Box 4024
4th Street Sinkor, Tubman Boulevard,
1000 Monrovia, 10 Liberia



TERMS OF REFERENCE

Project Title: Mainstreaming Energy and Environment in Development Processes

Job Title	Local Consultancy to Conduct Tree Canopy Survey and risks assessment in and Around Monrovia
Division/Department	ENERGY AND ENVIRONMENT PROJECT
Programme /Project Number	GEF ID number: 00061519
Location	Monrovia, Liberia
Reports to:	Energy and Environment Programme Coordinator
Expected Start Date of Assignment: April 1, 2019	Duration: 30 Days
Implementing Agency	Environmental Protection Agency of Liberia

BACKGROUND

The Environmental Protection Agency (EPA) which has the statutory responsibility to regulate and manage the environment of the Republic of Liberia has received funding from the United Nations Development Program (UNDP) to **conduct an ecological landscape action plan** consisting of an **inventory of existing canopy coverage** and ensure maintenance in Monrovia is developed.

The EPA, through its Energy and Environment Unit, wishes to hire the consultancy of qualified individual or firm to conduct a tree canopy coverage survey in Monrovia to assess the opportunity for integrating green landscape into city planning efforts.

As part of the Urban Forest Master Plan, the Government of Liberia intends to monitor the tree canopy of Monrovia on a regular basis. When collected, the data from the survey can provide information on success of preservation and planting programs, help to understand change and structure of our urban forest, and in turn provide guidance for planning.

I. OBJECTIVE OF THE ASSIGNMENT

Tree canopy studies are performed using satellite imagery, either collected specifically for an area, or extracted from existing data sets. Generally speaking, tree canopy refers to the part of a city that is shaded by trees. In as much as Monrovia values its trees, the City is challenged by the lack of baseline data cataloguing the number of existing tree canopy coverage. It is therefore against this background that the EPA, through its Energy Coordination unit, seeks to supervise the conduct of this survey in an effort to assess opportunity for

the integration of green landscape into city planning. This survey when completed, will monitor as well as gauge the pace with which trees development occurs within Monrovia and its environs and are maintained. The survey will also establish the increasing/decreasing population of trees and the development that this brings.

II. SCOPE OF WORK

The Consultant shall apply his/her technical expertise in extracting or satellite imaging to provide first hand data on tree canopy in Monrovia. S/He shall assist the Energy Coordinator in providing guidance and support for the implementation of the tree canopy cataloguing plan at the Agency.

III. Duties and Responsibilities

In consultation with the Energy and Environment Coordinator, the Consultant shall perform but not limited to the following duties:

Either by satellite imagine or data extraction from existing parallel surveys, develop a full scale data on tree canopy in Monrovia;

- Provide the percentages of tree canopy within specific areas of Monrovia;

- Interpret result of study to recommend development plan strategies to the government of Liberia;

- Establish the increasing/decreasing population of trees by presenting existing percentages;

- Recommend ways for the development, maintenance, as well as utilization of an ecological landscaping in Monrovia;

- Conduct trees risks assessment with recommended solutions

- Recommend ways of preservation and planting programs to the government of Liberia;

IV. EXPECTED OUTPUTS

The Consultant is expected to implement the following within the duration stated in h/her contract:

- In conjunction with the EC produce a comprehensive tree canopy survey report on Monrovia.

- Shall perform this task by researching other relevant institutions and or departments at the EPA with traces of previous similar studies conducted;

- Provide recommendation to management on the prospect of a green landscaping in Monrovia.

- A tree risks assessment report for Monrovia

V. DURATION OF ASSIGNMENT

The consultant is expected to complete the assignment within 60 working days stretched over a period of 2 months from the date of signing the contract

REQUIRED COMPETENCIES

VI. QUALIFICATIONS

The Minimum required qualification for the Survey Consultant is a Bachelor's Degree in Environmental studies, Forest Conservation, Economics, Landscape Horticulture and or related fields;

At least 4 years of experience in Forest Management, Project Management either in Public or Non-Governmental Institutions;

A Master's Degree in any of the above disciplines will be an added advantage

Knowledge of Geo-Spatial Data analysis is considered an asset;

Proficiency in both written and oral English is a MUST;

Competence in using software packages such as MS Project Management and Excel

OTHER SKILLS

- Excellent team player with good interpersonal skills;
- Ability to manage workload and staffs;
- Ability to work under pressure and tight deadlines;
- Ability to work in a multi-cultural environment;
- Ability to effectively communicate orally and in writing English in order to communicate complex, technical information to technical and general audiences.

SUBMISSION OF APPLICATIONS

Interested candidates should send a one-page cover letter- expression of interest (EOI), indicating suitability for the post, as well as a CV and Technical and Financial Proposal to Environmental Protection Agency. All interested candidates are to address their letter of applications and curriculum vitae to the below address:

ATTENTION:

Human Resource Manager

Human Resource Department

Environmental Protection Agency

4th Street, Sinkor

Monrovia, Liberia

Or through email (eduncan@epa.gov.lr), indicating in subject area “Application for National Consultant to Conduct Tree Canopy Survey Consultant.” Closing date for applications is **4:00 PM, March 20, 2019** Any application submitted after this deadline will not be given consideration. **Only short-listed candidates whose applications correspond to the above criteria will be accepted for evaluation.**

NOTE: This information is also posted on the below website:

- www.emansion.gov.lr
- www.epa.gov.lr