

Government of the People's Republic of Bangladesh
Office of the Project Director
Sustainable Forests & Livelihoods (SUFAL) Project
Bangladesh Forest Department
Ban Bhaban, Agargaon, Dhaka-1207, Bangladesh



Terms of Reference (TOR)

Selection of Individual Consultant: Junior Consultant GIS
(Package No. SD-25A)

Forest Department

Terms of Reference (TOR)

Position	: Junior Consultant GIS (SD-25A)
Type of Consultant	: Individual Consultant (National)
Type of Contract	: Time Based Contract
Duty Station	: PMU Dhaka
Language	: English & Bengali

1. Background of the Project:

Bangladesh Forest Department (BFD) under the Ministry of Environment, Forest and Climate Change has received IDA loan of US\$175.00 million and GOB contribution of US\$3.85 million for a period of 6.5 years (01 July 2018 to 31 December 2024) to implement Sustainable Forests & Livelihoods (SUFAL) Project. The overall objective of the project is to improve collaborative forest management and increase access to alternative income generation activities for forest dependent communities in targeted sites. This will be achieved by: (i) improving public sector management of forest resources and increasing participation of communities in forest conservation and restoration and, (ii) reducing direct dependence and exploitation of forest resources by offering alternative livelihood sources to dependent communities and improving the enabling environment for trees outside forests. Together, these will result in the eventual improvement of forest cover and ecosystem functions, coastline protection and increased employment opportunities for some of the poorest and most vulnerable communities, including women and small ethnic communities. Project will implement a No of activities which are grouped under following four components:

Component-1: Strengthening Institutions, Information Systems and Training

Component-2: Strengthening Collaborative Forests and Protected Areas Management

Component-3: Increasing Access to Alternative Income Generating Activities (AIGAs) Forest Extension Service & Trees Outside Forests (TOF)

Component-4: Project Management, Monitoring, and Reporting

This project is designed to contribute in improving organizational effectiveness by adopting improved policy and regulatory framework including infrastructural development, management information system upgradation, capacity building of BFD officials and investing in degraded and denuded forest restoration and building green belt along the cost. This project will finance tree cover improvement in the TOF areas technology transfer, training, research and innovation support and engage forest dependent communities in collaborative forest management practices. By and large the project will enhance wildlife and PA management practices and thereby improve forest conservation and wildlife protection in the country.

2. Objectives of the assignment

The main objective of this consultancy is, as a member of a team of experts, will be to assist the GIS Specialist in undertaking the following tasks listed under Scope of Services and any other related task as directed by Project Director and/or DPD.



3.Scope of the Services

Under the overall managerial and administrative leadership of the Project Director, SUFAL Project and under close supervision of the DPD.

The main tasks of the consultant will be to:

- a) Work on data capture and analysis for GIS product;
- b) Help in maintaining geospatial documentations for reference purposes;
- c) Prepare and maintain Spatial data for SSP dashboard;
- d) Participate in the preparation of index maps from the data of soil-specific plantation under SUFAL project.
- e) Examine the existing thematic maps on forestry and other land uses and assess their quality in terms of thematic details, dates of production, methods of production, and precision;
- f) Participate in the preparation/ uploading of maps of site-specific plantation programme/ plans;
- g) Participate in defining the harmonized land use classification;
- h) Assist in providing training to the officials in forest/land cover/use mapping and change detection;
- i) Participate in image interpretation activities including field checking and finalization of the interpretation;
- j) Creating and editing maps, charts, and other graphical representations of geospatial data using GIS software and other tools.
- k) Providing technical support and training to end-users on GIS software, data management, and analysis techniques.
- l) Collaborating with other professionals in related fields such as surveying, forestry and environmental science to integrate geospatial data into their work.
- m) Staying up-to-date with new developments and trends in GIS technology, software, and data sources to continuously improve GIS services and applications.
- n) Any relevant task assigned by the PD SUFAL;

4.Transfer of knowledge and Training


Facilitate capacity building and transfer of knowledge in map interpretation, mapping and other relevant components of geographical information system including map cataloguing and storage.

5.Institutional Arrangement

The consultant will be based at the PMU SUFAL within the BFD in Dhaka and will report directly to the PD SUFAL. The Individual Consultant will work closely with other consultants working at the PMU. Under this consultancy travels are being envisaged. However, travels necessary for the exigencies of services to achieve the desired objectives, may be under taken but with prior permission of the PD and in such cases only the actual costs will be reimbursed.

6.Data, Personnel, Local Services and Facilities to be provided by the Client

The consultant will work under the supervision of PD, SUFAL. The PD will provide necessary information as per requirement of the consultant. PD will also inform all cost centers to provide necessary data and documents as needed for the tasks assigned to the consultant. Project will provide appropriate office space and other associated logistics necessary to carry out the assignment.



7. List of deliverables, schedule of deliveries

The consultant will need the following reporting requirements / deliverables, but not limited to:

1. An inception report and a work plan;
2. Index map of beats;
3. Interpretation of satellite map;
4. Map storage system improved;
5. GIS capacity of FD improved;
6. Report on updated SSP dashboard
7. Improved resource monitoring and information management;
8. At the end of the consultancy prepare and submit final consultancy report describing the planned activities, the method followed for land use mapping, training programme and beneficiaries and results of the mapping work and the results achieved.

The deliverables will be submitted in electronic and hardcopy form on time to the PD, SUFAL Project.

8. Duration of the Assignment

The duration of the assignment will be 12 Months. However, the duration of the assignment may be increased or reduced according to the performance of the consultant, availability of the consultant, project need and budget.

9. Qualifications and experience required (This qualification requirements will not be part of TOR but will be used in REOI and Evaluation):

- A minimum of at least M.Sc. in Geography, Forestry, GIS, Remote Sensing techniques with advanced training in GIS.
- At least 3 years of experience in the application of GIS and Remote Sensing.
- Should be conversant with the knowledge of forest inventory, mensuration, Geographic Information Systems (GIS), Mapping and Remote Sensing.
- Strong understanding of geospatial data and its applications.
- Proficiency in GIS software such as ArcGIS, ArcGIS Pro, QGIS, Erdas Imagine.



