



FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Terms of Reference for Consultant ■/PSA □

Minimum number of years of relevant experience required: 1yr 3yrs 5yrs 12+yrs

Job Title: MRV mapping/RS expert
Division/Department: UN-REDD Programme, FAOR Uganda
Programme/Project Number: UNJP/UGA/044/UNJ-GLOBAL & UTF/UGA/043/UGA
Location: Kampala, Uganda
Expected Start Date of Assignment: 15 January 2016 Duration: 9 months

GENERAL DESCRIPTION OF TASK(S) AND OBJECTIVES TO BE ACHIEVED

Background:

The United Nations Collaborative Programme on Reducing Emissions from deforestation and Forest Degradation in Developing Countries (UN-REDD Programme) is collaboration between The Government of Uganda, FAO, UNDP and UNEP. Within the partnership, FAO supports countries on technical issues related to forestry and the development of cost effective and reliable Monitoring, Measurement, Reporting and Verification (M.MRV) processes for emissions reductions which form the core activities for the performance or result-based implementation phase of REDD+.

Duties and Responsibilities

Under the overall supervision of the Budget Holder, FAO Representative in Uganda, the direct technical guidance of the Lead Remote Sensing expert of the Forest Assessment, Management and Conservation Division (FOM) in Rome, and in close collaboration with the National REDD+ Focal Point and Senior Remote Sensing / GIS experts at the Ministry of Water and Environment and working in close collaboration with the FAO-REDD+ Advisor/Project Coordinator, the International MRV Mapping/RS Expert will support and undertake activities leading to the strengthening of a robust National Forest Authority (NFA) for operational forest and land use monitoring. The major goal of this support is to enhance NFA capacity to systematically monitor forest and land cover/use change (REDD+ activity data).

In general, the MRV mapping/RS expert will assist NFA remote sensing and GIS technicians to:

- Assist NFA in examining 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;
- Assist in the selection & procurement of equipment for the MRV mapping component of the REDD+ Programme (notably Remote Sensing, GIS and Forest Inventory equipment and the installation of the GIS laboratory and online monitoring tools);
- Assist NFA to develop specifications and methods for producing, on a continuous basis over time, land use change maps suitable for generating estimates required for REDD+ base on interpretation of satellite imagery, preferably using FAO open source tools (Open Foris, FAO-SEPAL, etc);
- Assist NFA with finalizing historical time series and utilizing data for REL/RL construction;
- Contribute to discussions and exercises to establish a methodological approach for REL/RL construction and to develop a REL/RL submission;
- Provide technical training as needed to the national team in charge of mapping on remote-sensing techniques/analysis and open-source software within MWE;

- Assist NFA in validating the interpretation results, produce the final maps based on the harmonized legend and generate the statistical results on areas of the different map units;
- Assess NFA mapping storage system and recommend improvements, if found necessary;
- Contribute to technical discussions on optimal sampling design for field inventory based on available geographic information;
- Provide ongoing support to FAO-REDD+ Advisor/Project Coordinator and to the REDD+ Secretariat in preparing work plans and reporting on RS activities;
- If time allows, assess needs for thematic maps based on inventory results;
- Perform any other relevant duties as instructed.

KEY PERFORMANCE INDICATORS

Expected Outputs:

- Periodical updates of the work
- Historical time series for REL/RL construction
- Methodological approach for assessing forest degradation
- Biomass maps generated with data from forest inventories
- Report detailing methodology and results available

Required Completion Date:

Monthly
April 2016
May 2016
June 2016
August 2016

Duty station: Kampala, Uganda

Language: English

REQUIRED COMPETENCIES

Minimum requirements:

- Advanced University degree (at least Masters) in Remote Sensing and GIS;
- A minimum of 5 years of relevant professional experience;
- Competence in information systems and information management, and experience in capacity building, forest modeling and MRV implementation is preferable;
- Good knowledge of climate change and REDD+, as well as UNFCCC/IPCC technical procedures and guidelines for the forestry sector;
- Strong statistical and data analysis skills are desirable;
- Excellent abilities in project coordination and monitoring are required, as well as demonstrated experience in coordinating multiple activities in a programmatic situation;
- Ability to meet strict deadlines and follow budgetary targets is a must;
- Strong inter-personal skills, especially oral communication skills;
- Must be willing to regularly carry out presentations on the project status and its different components;
- Experience working in inter-cultural environments and relevant working experience for an international or multi-lateral organization are a plus;
- Proficiency in both spoken and written English is required.

HOW TO APPLY

- Interested applicants are required to create an online Personal Profile form (PPF) in iRecruitment. To create the PPF, please follow the instructions available at: <http://www.fao.org/employment/irecruitment-access/en/>
- Please upload to your Documents section an application letter stating your expression of interest and qualifications as well as a CV.
- In order for your application to be properly evaluated, please ensure that all sections of the on-line profile are completed. The PPF should be sent via e-mail to: VA-2015-MRV-UG@fao.org
- Deadline for submission of your application: 23 December 2015. Applications received after the closing date will not be given consideration. Only short listed candidates will be contacted.

