Request for Proposals
GHG Inventory Agriculture Expert – Tajikistan

June 25, 2024

Introduction

The Greenhouse Gas Management Institute ("GHGMI") is requesting the submission of qualification statements and proposals from qualified professionals ("Consultant") to carry out the coordination services of the project *Development and Enhancement of Capacity for preparation of GHG Inventory and Policy impact assessment for preparation of BTR1* to be implemented in Tajikistan, within the framework of the Initiative for Climate Action Transparency (ICAT).

The ICAT helps countries to improve their GHG Inventories MRV, better assess the impact of their climate policies and actions and meet their transparency commitments. To this end, ICAT increases countries' overall transparency capacity, including the ability to assess the contribution of climate policies and actions to countries' development goals, and provides appropriate methodological information and tools to support evidence-based policymaking. ICAT's innovative approach is to integrate these two aspects.

ICAT focuses on countries that can highlight the benefits of greater transparency to demonstrate the impact of evidence-based policies and actions. ICAT generates evolving methodological guidance and extracts best practices, to make them publicly available to all actors, increasing the global knowledge base. ICAT's work is driven by the countries themselves. ICAT's capacity building efforts should build on existing climate monitoring, reporting and verification (MRV) systems and country knowledge, and complement previous or ongoing activities of other initiatives, where appropriate. The support provided is tailored to the country context and national priorities. The aim of ICAT's work is to involve national experts as much as possible and to promote peer-to-peer learning.

Tajikistan

Tajikistan has been a party to the United Nations Framework Convention on Climate Change (UNFCCC) since 1998 and ratified the Paris Agreement shortly after its submission to parties, adopting its first Nationally Determined Contribution (NDC), submitted in 2015. The following period is accompanied by an analysis of the country's needs and progress in measures in the different sectors. Later in 2021, Tajikistan presents a new and broader NDC. The updated NDC of Tajikistan, submitted in 2021, includes conditional and unconditional targets with actions which covers various sectors such as agriculture, forestry, energy, industry, and notably, transport and infrastructure, along with waste management.

Tajikistan's current NDC considers both mitigation and adaptation commitments. In terms of mitigation, there are commitments to reduce emissions with actions in the Energy sectors (related to renewable energies, energy efficiency, with different time horizons to 2025, 2030) and Agriculture, forestry and other

land uses (AFOLU) through the increase of carbon sinks and reservoirs in the country's agricultural landscape. as well as the restoration of critical ecosystems.

In terms of transparency The First Biennial Update Report (BUR) was completed and submitted in 2019 followed by the Third National Communication which was completed and submitted in 2020 and fourth National communication in October 2021, including information on the national inventory of greenhouse gases, mitigation policies and actions, international cooperation, as well as other relevant content such as vulnerability and adaptation, education, awareness and financial and technical capacity needs.

Tajikistan, through the Agency for Hydrometeorology The Committee of Environmental Protection under the Government of the Republic of Tajikistan is making efforts to have an MRV system in place to monitor its GHG emissions and its NDC and to comply with the requirements related to the Enhanced Transparency Framework outlined in Article 13 of the Paris Agreement, as detailed in the Modalities, Procedures and Guidelines for the Transparency Framework for Measures and Support referred to in the Article 13 of the Paris Agreement (MPG).

Among the multiple initiatives managed by the country, Tajikistan is developing, together with the support of ICAT, the project: *Development and Enhancement of Capacity for preparation of GHG Inventory and Policy impact assessment for preparation of BTR1.* The technical support provided to Tajikistan by this ICAT project is expected to contribute to the following results:

1) Development of a structure and cross cutting elements for GHG Inventory preparation.
2) Enhancement of Capacity for preparation of GHG Inventory to enable the BTR submission by 31 December 2024;
3) Assess GHG impact of the selected policies and measures and alignment with MPG reporting requirements

Objective of the position

Leading the GHG Inventory preparation for Agriculture sector during the implementation of the Initiative for Transparency in Climate Action (ICAT) project for Tajikistan.

Obligations

The main duties of the GHG Inventory Agriculture expert are as follows:

- **Data Collection and Management:** Gather data on Agriculture activity data including data on enteric fermentation, manure management and rice cultivation. Ensure the accuracy, completeness, and consistency of the data collected and conduct the QC of all the data collected.
- **Use of Appropriate IPCC methodologies**: Select appropriate methodologies for estimating emissions, following guidelines such as those provided by the

Intergovernmental Panel on Climate Change (IPCC) in the 2006 IPCC Guidelines for National Greenhouse Gas Inventories.

- **Calculate Emissions**: Use the collected activity data and selected emission factors to estimate emissions from various IPCC sources within the Agriculture sector (3A-3C). This includes emissions from enteric fermentation, manure management and rice cultivation.
- **Quality Assurance and Quality Control (QA/QC):** develop and Implement QA/QC Procedures for the Agriculture sector to ensure data quality, consistency, and reliability
- **Compilation and Analysis**: Aggregate emissions estimates from all sources within the Agriculture sector and analyze trends and patterns in emissions data to identify significant changes or areas for improvement.
- **Reporting of Agriculture sector**(3A-3C): Prepare detailed reports and documentation on the GHG inventory findings. Ensure that the reports meet the reporting requirements of the UNFCCC and other relevant bodies.
- **Documentation and Archiving**: Maintain thorough documentation of the data sources, methodologies, and calculations used in the inventory. Ensure proper archiving of all relevant documents and datasets.

GHG Inventory Agriculture Expert is responsible for the timely submission of the following project components:

- Output H: Identification of the sectoral activity data and the timeseries available for the GHG Inventory preparation – Agriculture sector (3A-3C)
- Output J: QA/QC on the Activity data conducted on the existing timeseries for the top key categories, revisions documented and reported – Agriculture sector (3A-3C)
- Output Q: GHG inventory estimates confirmed and GHG Inventory document finalized – Agriculture sector (3A-3C)
- Output R: GHG Inventory validated, reported and archived – Agriculture sector (3A-3C)

General

Supervisor: GHG Inventory Lead. The GHG Inventory Agriculture Expert will work in close coordination with the GHG Inventory Lead and as well as with the Senior GHG Inventory and PaMs impact assessment Advisor and the implementing partner (GHGMI).

Estimated contract start date: July 2024

Contract duration: 6 months

Remuneration: USD$1200/month (adjusted for the duties implemented and deliverables prepared)

Employment Type: Full-time

Office: At the Agency. They will provide their services in an Agency office and, when required, in the other facilities, for which the Agency will provide all needed for an effective work and completion of the tasks.

Eligibility: This position is open to national citizens for applying for this position. The candidate must be physically located in Tajikistan.

Qualifications

Candidates must meet the following requirements:

- Recent graduate or enrolled in a first degree or higher in Science, Technology, Engineering or Math (STEM).
- Prior experience working with the Government of Tajikistan in an area relevant to the project is preferred
- Demonstrated experience in collecting and analyzing data
- Knowledge of Office suite (Excel, Word, Power Point) required
- Operational level of knowledge of English required.