

State Institution “Agriculture Entrepreneurship Development”
“Strengthening Resilience of the Agriculture Sector Project”

Terms of reference

for consultant to conduct a comprehensive study of the condition of subdivisions of MART, TAU, TAAS to identify the presence of hazardous chemicals, including pesticides, expired reagents or other chemicals recognized as hazardous

General information

The Strengthening Resilience of the Agriculture Sector Project represents an IDA grant prepared to support Tajikistan to create a base for a more sustainable agricultural sector, including improved seeds, seedlings, and planting material; agro logistics services; agrometeorological information, soil testing, locust control, and plant protection.

The project aims to support the Government of Tajikistan (GoT) in a successful transition to a sustainable, more productive, climate resilient and inclusive growth model of the agricultural sector.

The Project will assist:

- (i) Increase the availability of improved seeds, seedlings and planting materials that are climate resilient, affordable, preferred by farmers and well adapted to the different agro-ecological conditions of Tajikistan;
- (ii) Improve farmers' and agribusinesses' access to improved agro-logistics services; and
- (iii) Strengthen crisis management, i.e., early warning, preparedness and response capacity of separate government agencies.

All human resource development and capacity building activities will include topics on better understanding of climate change and structures, tools and techniques to facilitate the development and implementation of climate change adaptation and mitigation approaches. The use of energy-efficient and climate-resilient materials and facilities will be encouraged in all infrastructure, including buildings, offices, laboratories and storage facilities constructed and/or rehabilitated under the project.

The project aims to strengthen the bases for a more sustainable agricultural sector, which in turn will help improve food security and nutrition and accelerate agricultural diversification. It will also promote the development of a viable private micro, small and medium enterprise sector in rural areas and create employment opportunities for women in regions with few legal alternatives.

The project is implemented by the Project Management Unit of the State Institute “Agriculture Entrepreneurship Development” (SI AED PMU)

Main purpose

The main purpose of this assignment is to conduct a study aimed at assessing the subdivisions of the Ministry of Agriculture of the Republic of Tajikistan, the Tajik Agrarian University named after Shirinshokh Shotemur and the Tajik Academy of Agricultural Sciences to identify the presence and volume of hazardous chemicals, including pesticides, expired reagents or other chemicals recognized as hazardous in their warehouses and laboratories.

In order to achieve the intention, the following activities need to be implemented:

- **Identification and assessment of potentially hazardous waste storage facilities**

The first stage involves identifying facilities and chemical storage locations that require detailed investigation.

It is necessary to collect and analyze data on places of storage of chemicals and other hazardous substances in all subdivisions of the Ministry of Agriculture of the Republic of Tajikistan, Tajik Agrarian University named after Shirinshokh Shotemur and Tajik Academy of Agricultural Sciences to study the reporting documentation. On the basis of the obtained data, form a list of objects that may require further detailed inspection.

- **Assessment of the storage status of identified hazardous wastes**

Once the target facilities have been identified, an inspection should be conducted to establish the current storage status of hazardous waste and expired reagents. The conditions of their storage, the degree of their potential risk, and the compliance of these conditions with regulatory requirements are analyzed.

- **Analyse of existing infrastructure and identification of infrastructure changes needs**

To study the technical condition of facilities and equipment designed for storage, processing and utilization of hazardous waste. Analyze their compliance with modern safety standards, and identify needs for repair, modernization or construction of new facilities

- **Evaluation of the effectiveness of previously conducted activities**

To analyze the previously performed works aimed at accounting, storage, neutralization and disposal of hazardous waste and expired reagents. Examine reports, results of previous inspections and activities, and assess their compliance with the regulatory framework

- **Development of recommendations and reporting**

Formulate recommendations as well as a preliminary **financial plan** to improve conditions of storage, handling and utilization of hazardous waste. Develop proposals for the introduction of modern technologies to minimize environmental and other risks. Prepare an analytical report including the results of all stages of the study, conclusions and reasonable proposals.

Scope of work and mandatory conditions:

- Strict compliance with national and international environmental protection standards.
- Analyze the structure and activities of all units of the Ministry of Agriculture of the Republic of Tajikistan, the Tajik Agrarian University named after Shirinshokh Shotemur and the Tajik Academy of Agricultural Sciences.
- Formation of a list of units where hazardous waste is likely to be present, based on data on their activities.
- Visit to the objects from the pre-compiled list for detailed analysis and assessment.
- Assessment of hazardous waste availability, storage conditions.
- Study of the technical condition of the infrastructure for waste management.
- Determining the need for repair, reconstruction or modernization of hazardous waste storage, treatment and disposal facilities.
- Analysis of reporting and results of earlier activities aimed at neutralization and disposal of hazardous waste.
- Assessment of their effectiveness and compliance with modern safety requirements.

- Development of recommendations and a **financial plan** to improve conditions for hazardous waste management, utilization and destruction of expired hazardous substances and reagents identified during the study, including proposals for infrastructure modernization.
- Preparation of an analytical report including conclusions and reasonable proposals for improving environmental safety.

Qualification requirements to service supplier

- Minimum of 5 years of experience related to hazardous waste identification, neutralization and disposal.
- Practical experience of 3 years in implementation of environmental safety and waste management projects
- Participation in projects of similar focus and scope, including studies, recommendations and activities to improve waste management infrastructure.
- Experience in developing analytical and reporting documentation, including conclusions, proposals and recommendations.
- Skill to use modern methods of data analysis in accordance with international standards.
- Ability to organize field surveys, collect data promptly and interact with representatives of the objects under study.

Reporting requirements:

Inception report:

To be submitted not later than 10 working days after signing the contract. It should contain a calendar plan of work, description of the main stages of the study and evaluation, methodology and approaches used in the study.

Final report:

The report should contain a detailed analysis of the structural units of the Ministry of Agriculture of the Republic of Tajikistan, the Tajik Agrarian University named after Shirinshokh Shotemur and the Tajik Academy of Agricultural Sciences, where hazardous waste could potentially be located.

Formed list of units where hazardous waste is likely to be present, based on data on their activities. Final assessment of hazardous waste availability, storage conditions, technical condition of waste management infrastructure.

Final assessment of the need for repair, reconstruction or modernization of hazardous waste storage, treatment and disposal facilities.

Analysis of reports and results of previously conducted activities aimed at neutralization and disposal of hazardous waste, and assessment of their efficiency and compliance with modern safety requirements.

Recommendations and **financial plan** to improve conditions for hazardous waste management, utilization and destruction of expired hazardous substances and reagents identified during the study, including proposals for infrastructure modernization.

Duration of Services:

Services will be provided within 60 calendar days from the date the contract is signed.