

## **TERMS OF REFERENCE**

### **STRENGTHENING RESILIENCE OF THE AGRICULTURE SECTOR PROJECT (SRASP)**

#### **IDA Grant # №D860-TJ**

Package TJ-SRASP-296164-CS-CQS: Preparing of design and estimate documentation and supervision of works for 4 Beneficiaries

Consultant Type: Firm

Source: National

Selection Method: Consultant Qualification Selection

Technical Proposal: Simplified Technical Proposal

Engagement Period: 18 months from July 2022 to January 2024

Consulting Services Budget (maximum): USD 75,000.00

#### **I. Background**

The Strengthening Resilience of the Agriculture Sector Project is an IDA grant in the amount of US\$ 58 million prepared to support Tajikistan for the purpose of foundations for a more resilient agriculture sector refer to the availability of public agricultural services, including improved seeds, seedlings, and planting materials, agri-logistical services, agrometeorological information, soil testing, locust control and crop protection.

The project aims to support the Government of Tajikistan (GoT) in successfully transitioning to a sustainable, more productive, climate resilient, and inclusive model of agricultural sector growth. The proposed project will help to:

- (i) Increase the availability of improved seeds, seedlings, and planting materials that are climate resilient, affordable, farmer-preferred and well adapted to the different agro-ecological conditions of Tajikistan;
- (ii) Improve the access to improved agri-logistic services for farmers and agri-businesses; and
- (iii) Strengthen the crisis management, i.e. early warning, preparedness and response capacity of selected public institutions.

All activities related to human resource development and capacity building will include topics on understanding climate change better and frameworks, tools, and techniques to facilitate designing and implementing climate adaptation and mitigation approaches. All infrastructure, including buildings, offices, laboratories, and storage facilities, constructed and/or rehabilitated by the project, will be encouraged to utilize energy-efficient and climate-resilient materials and designs. The proposed project aims to thereby strengthen the foundations for more resilient agriculture sector, which will in turn help improve food security and nutrition and accelerate agricultural diversification. It will also contribute to the development of a viable sector of private micro, small and medium enterprises in rural areas and generate employment opportunities for women in regions with few legal alternatives.

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

## **II. Project objective**

The Strengthening Resilience of the Agriculture Sector Project (SRASP) main objective is to strengthen the foundations for a more resilient agricultural sector in Tajikistan.

To achieve this objective, the project consists of four interlinked technical components organized to address the key binding constraints for the development of the agriculture and agribusiness sector:

- **Component 1. Strengthen seed, seedling, and planting material systems**
- **Component 2. Support investments in agri-logistical centers for horticulture value chains**
- **Component 3. Strengthen public capacity for crises prevention and management**
- **Component 4. Project management and coordination**

Under the Components 2 and 3, among other things, construction and renovation of buildings and divisions of the MOA will be carried out. All infrastructure, including buildings, offices, laboratories and storage facilities built and/or rehabilitated under the project will be encouraged to use energy efficient and climate resilient materials and structures.

## **III. Consulting assignment: Preparation of design estimates and architectural supervision for 4 beneficiaries.**

### **1. Purpose of the assignment**

The purpose of the assignment is to prepare design and estimate documentation for construction works and prepare a defective act / local resource estimate for repair work and field supervision of 4 beneficiary facilities.

The selected consultant will be invited by the Employer at the end of the assignment and in accordance with his work to support the Employer during the construction phase to supervise the work of the contractor(s).

### **2. Scope of work.**

The consultant will be responsible for the development of design estimates (for construction works), preparation of defective acts and local resource estimates (for renovation works).

The detailed scope of work for the development of a design estimates for new construction should include:

- Engineering and geodetic surveys;
- Engineering and geological surveys (if necessary);
- General explanatory note;
- Set of working drawings;
- Estimated documentation for the entire range of works.
- Bill of quantities;
- Geological conclusion;
- Conclusion of the state expertise;
- Environmental Conclusion.
- Mandatory reinforcement of concrete structures with the application of calculations and bills of quantities of work and materials.

The detailed scope of work for renovation works should include:

- Preparation of a defective act;
- Preparation of local resource estimates and working drawings for the repair of working premises / buildings.

The Consultant supervises construction works as expert for PMU (Conducts author, environmental and technical supervision of construction works).

The Consultant will pass design documents of each construction site to the State Expert Committee to pass examinations to obtain certificates of conformity. The costs for the state construction and environmental review of projects and architectural supervision of construction work must be included in the price offer. In doing so, the following requirements must be taken into account:

1. When developing construction projects, it is imperative to consider the environmental requirements of the construction area and environmental safety measures, including them in the explanatory note of the project.
2. Mandatory reinforcement of concrete structures with the application of calculations and bills of quantities of work and materials shall be designed.
3. Materials for the tender for construction works which contains information on the description and volumes and specifications of construction materials shall be developed.

The volume of products transferred to the Employer: 3 (three) hard copies, 1 (one) soft copy of all design and estimate documentation in source programs (drawings - AutoCAD, estimate documentation and calculations - Excel).

**Table 1. Total scope of services and implementation schedule**

№№ п/п	Name of Objects	Type of works	Scope of work	Tasks	Input data	Deadline (from the date of signing the contract)	Construction / renovation site
<b>Institute of Horticulture, Viticulture and Vegetable Growing (IHVVG)</b>							
<b>2</b>	2.1 Greenhouses (5 units)	Construction	Development of design estimates and Author supervision of construction works	a) Engineering and geodetic surveys; b) Engineering and geological surveys; c) General explanatory note; d) Working drawings; e) Estimated documentation. f) Bill of quantities; g) Geological conclusion; h) Conclusion of the state expertise. i) Environmental Conclusion. j) Author, environmental and technical supervision	1. Dimensions 20.0 x 40.0 x 6.0m, drip irrigation; 2. Dimensions 20.0 x 40.0 x 6.0m, drip irrigation; 3. Dimensions 20.0 x 40.0 x 6.0m, drip irrigation; 4. Dimensions 20.0 x 40.0 x 6.0m, hydroponics; 5. Dimensions 20.0 x 40.0 x 6.0m, drip irrigation.	1) 2 months; 2) 2 months; 3) 2 months; 4) 2 months; 5) 2 months.	1.B.Gafurovskiy dist; 2.Gissarskiy dist, experimental farm "Sumbula"; 3.Lakhshkiy dist, stronghold "Lakhsh"; 4. J. Balkhi dist. experimental station; 5.Muninabadskiy dist, experimental farm "Muminobod"
	2.2 Biotechnological and chemical laboratory	Construction	See point 2.1	See point 2.1	The dimensions of the building are 20x20m, 2 floors.	3 months	Rudaki dist, experimental. area "Navbahor"
	2.3 Building (4 unit.)	Renovation	a) Preparation of a defective act; b) Preparation of local resource estimates; c) Author supervision works	a) Preparation of a defective act; b) Preparation of local resource estimates and working drawings for the renovation of working premises / buildings. c) Author, environmental and technical supervision	1. 4th floor building, 18 study rooms, 1 conference hall, 1 library; 2. Overhaul of refrigerator premises; 3. Overhaul of the building, dimensions 32.6x12.2x5.0m; 4. Overhaul of the building, dimensions 20x10x4m;	1) a month; 2) a month; 3) a month; 4) a month;	1.Dushanbe city, str.Rudaki 21a; 2.Gafurskiy dist; 3.Faizabadskiy dist, experimental station; 4.Ashtskiy dist, stronghold "Asht";

	2.4 Premises (3 units.)	Renovation	See point 2.3	See point 2.3	1. Building dimensions. 20x10x5m, 8 Office rooms; 2. Building dimensions. 45x15x6m; 3. Dimensions of 2 field camps - 27x16m each.	1) 1 month; 2) 1 month; 3) 1 month;	1. Gissarskiy dist, experimental household "Umbula"; 2. J. Balkhi, experimental station; 3. Faizabadskiy dist, experimental station.
	2.5 Structures (4 units.)	Renovation	See point 2.3	See point 2.3	1. Warehouse dimensions 65x8x5m; 2. Warehouse dimensions 20x10x5m; 3. Livestock farm dimensions 100x10x3m; 4. Building dimensions. 15x10x3m, garage dimensions 50x10x4m.	1) 1 month; 2) 1 month; 3) 1 month; 4) 1 month;	1. Muminabadskiy dist, experimental household "Muminobod"; 2. Lakhshkiy dist, stronghold "Lakhsh"; 3. Gissarskiy dist, experimental household "Sumbula"; 4. B. Gafurskiy dist, stronghold "Somgor".
	<b>Institute of Agriculture</b>						
<b>3</b>	3.1 The building of the Dangara Experimental Agricultural Station (1 unit)	Construction	See point 2.1	See point 2.1	The dimensions of the building are 24.4x56m, the 1st floor is offices, the 2nd floor is a dining room, classrooms, a meeting room.	3 months	Dangara district, "Safobakhsh" jamoat, Mehtar village
	3.2 Building (1 unit)	Renovation	See point 2.3	See point 2.3	2-storey buildings, building dimensions. 1-14x50.5m, 2-14x53.5m.	1 month	Gissarskiy dist, vill. Sharora

3.3 Wahehouses (6 units)	Renovation	See point 2.3	See point 2.3	<p>1. Warehouse area 180sq.m;  2. Warehouse area - 520 sq.m;  3. Warehouse area-148sq.m;  4. Warehouse area-382 sq.m;  5. Warehouse area-152 sq.m;  6. Warehouse area-310sq.m;</p>	<p>1) 1 month;  2) 1 month;  3) 1 month;  4) 1 month;  5) 1 month;  6) 1 month.</p>	<p>1.Gissarskiy dist, vill. Sharora;  2. Gissarskiy dist, vill. Sharora, experimental household "Ziroatkor";  3. Gissarskiy dist, jamoat. Durbat, experimental household "Zarnisor";  4.Boghtar city, area Sarchashma-67;  5.B. Gafurovskiy dist, jam. "Isfisor";  6.Panjakent dist, vill "Nuri zindagi", jam. "Sarazm", experimental station "Panjakent".</p>
3.4 Structure (5 units)	Renovation	See point 2.3	See point 2.3	<p>1. Building area-160sq.m;  2. The total area of the premises is 1044 sq.m.;  3. Building area - 2000 sq.m;  4. Building area-200sq.m;  5. Building area-240sq.m.</p>	<p>1) 1 month;  2) 1 month;  3) 1 month;  4) 1 month;  5) 1 month;</p>	<p>1.Gissarskiy dist, Sharora vill, experimental station "Ziroatkor";  2.Gissarskiy dist, Durbat jam. Experimental household "Zarnisor";  3.Bokhtar city, Sarchashma-67 area;  4.Sharistanskiy dist, jam "Bunchikat";  5.Panjikenskiy dist, vill. "Nuri zindagi",jamoat "Sarazm", experimental station.</p>
3.5 Drilling a well in the Sugdiyong stronghold Shahrستان dist (2 points)	Construction	See point 2.1	See point 2.1	Well drilling in contours 23 and 163	3 months	Shahrستانskiy dist, jamoat "Bunchikat", stronghold "Sugdiyong"

	3.6 Drilling a well at the Ziroatkor Experimental Farm, Gissar District	Construction	See point 2.1	See point 2.1	Well drilling in contour 101	2 months	Gissarskiy dist, Sharoranvillage, Karim Devona area, experimental farm "Ziroatkor"
11	<b>PMU " Varietal seeds of vegetable crops of Tajikistan "</b>						
	11.1 Repair and construction of infrastructure	Renovation	See point 2.3	See point 2.3	The total area of buildings - 4136 sq.m.	2 months	Dushanbe city, str. Sevastopolskaya, #.1
22	<b>Research Institute "Soil Management "</b>						
	22.1 Building (1unit)	Renovation	See point 2.3	See point 2.3	4-storey building, dimensions of the building-65x20x14m	1 month;	Dushanbe, 21a Rudaki str.
	22.2 Laboratory premises (11 units)	Renovation	See point 2.3	See point 2.3	The total area of the premises - 405.4 square meters	1 month;	Dushanbe, 21a Rudaki str.
	22.3 Offices (4 units)	Renovation	See point 2.3	See point 2.3	Total area - 113.3 sq.m	1 month;	Dushanbe, 21a Rudaki str.
	22.4 The building of the stronghold in the city of Vahdat (1 unit)	Renovation	See point 2.3	See point 2.3	Building dimensions 12x6x3.3m	1 month;	Vahdat c., Stronghold
	22.5 The laboratory building of the experimental station "Sughd" (1 unit)	Renovation	See point 2.3	See point 2.3	Building dimensions 25x15x4m	1 month;	B. Gafurov region, laboratory building "Sugd"
	22.6 Stronghold building "Faizabad"(1 unit.)	Renovation	See point 2.3	See point 2.3	Building dimensions 20x8x4m	1 month;	Fayzabad region, stronghold
22.7 Stronghold building "Khuroson"(1 unit)	Renovation	See point 2.3	See point 2.3	Building dimensions 25x12x4m	1 month;	Khuroson building, Stronghold building "Khuroson"	

### 3. General requirements for design and estimate documentation

The volume of the final version of the design and estimate documentation must be fully prepared for the tender for the construction work itself, indicating the types and volumes of work, the required materials and quality standards.

Design and estimate documentation must be developed in full compliance with the requirements of the building codes and regulations in force on the territory of the Republic of Tajikistan, GOSTs and other regulatory documents.

In addition to the main set, for each site, the Section "Materials for the tender for construction works" should be developed, which contains information on the description and volumes (specifications) of construction and installation works.

Project documentation must be handed over to the Employer in 3 hard copies + one in electronic form.

After passing the examination, if there are any comments, the Consultant is obliged to eliminate them without any additional payment.

### 4. Deliverables:

**Deliverable 1** – Design and estimate documentation for the facilities of the **Institute of Horticulture, Viticulture and Vegetable Growing (IHVVG)**

**Deliverable 2** - Design and estimate documentation for the facilities of the **Institute of Agriculture**

**Deliverable 3** - Design and estimate documentation for the facilities of the **SUE "Variety seeds of vegetable crops of Tajikistan"**

**Deliverable 4** - Design and estimate documentation for the facilities of the **Research Institute "Soil Management"**

**Deliverable 5.** – The final report on the conduct of author supervision for all sites listed in Table 1.

### 5. Payment schedule:

Basis for payment	Payment
Advance payment upon submission of advance payment guarantee	20 % of the contract value
Acceptance certificate signed by the Employer for Deliverable 1, Deliverable 2, Deliverable 3 and Deliverable 4	60% of the contract value
The act of acceptance of the final report on the conduct of author supervision for all construction/renovation sites listed in Table 1.	20 % of the contract value

### 6. Qualification requirements:

The participant must be a firm or group of firms with the following minimum qualifications:



- The Consultant must be a firm with at least 5 years of experience relevant to the Assignment;
- Confirmed successful experience in implementing at least 2 similar contracts during the last 5 years;
- Availability of competent personnel with required experience relevant to the Assignment;