

TERMS OF REFERENCE

STRENGTHENING RESILIENCE OF THE AGRICULTURE SECTOR PROJECT (SRASP)

IDA Grant # №D860-TJ

Package No. TJ-SRASP-296837-CS-CQS: Preparing of design and estimate documentation and supervision of works for 7 Beneficiaries

Consultant Type: Firm

Source: National

Selection Method: Consultant Qualification Selection

Technical Proposal: Simplified Technical Proposal

Engagement Period: 18 months from January 2023 to June 2024

Consulting Services Budget (maximum): USD 250,000.00

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 7 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 7 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, repair 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.
 - 1.1 Integration of the ESMP into the project documentation. All subproject bidding documents will include a requirement to implement an ESMP and these documents must be attached to bidding documents and then to construction contracts. In construction contracts for individual subprojects, both in the specification and in the bill of quantities, contractors will be required to include the cost of implementing the ESMP and in their financial proposals, contractors will specify the requirements for compliance with all national building codes, health protection, protective procedures and regulations, as well as environmental protection.
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

№№ p / p	Name of objects	Type of work	List of works	Scope of work	Initial data	Deadline (from the date of signing the contract)	Construction / renovation site
Pamir Scientific Center for Agriculture (PSCA)							
1	Building, including 2 laboratory and warehouse (1 unit)	Construction	Development of design and estimate documentation	<p>a) Engineering and geodetic surveys; b) Engineering and geological surveys; c) General explanatory note; d) Working drawings; e) Estimated documentation.</p>	<p>a) Building with 3 floors; b) Dimensions of the building - 18.0x 12.0m; c) Ground floor (warehouses for agricultural products and inventory); d) Dimensions of the premises of the 1st floor - 5.0x4.0m (director's office); 2.0x4.0m (reception); 9.0x6.0m (quality laboratory); 9.0x6.0m (laboratory for the analysis of animal diseases); 2.0x3.0m (security room); e) The dimensions of the premises of the 2nd floor - 3.5x4.0m (6 workrooms); 2.0x2.0m (bathroom); f) The dimensions of the premises of the 3rd floor- 3.0x4.0m (4 living quarters); 2.0x3.0m (bathroom + shower room); 3.0x3.0m (kitchen); 3.0x5.0m (dining room); g) Fencing device;</p>	3 months	Republic of Tajikistan, GBAO, Khorug

					i) Landscaping.		
	1.2 Garages (3 sections)	Construction	See point 1.1	See point 1.1	a) 1st floor; b) Dimensions of garages 4.0x7.0x3.0m (3 sections)	2 months	Republic of Tajikistan, GBAO, Khorug
	Tajik Agrarian University named after Shirinsho Shotemur						
2	2.1 Greenhouse that meets international standards (1 units)	Construction	See point 1.1	See point 1.1	a) The dimensions of the greenhouse are 100,0 x 20,0 x 5,0m; b) According to the principle of hydroponics (aeroponics)	3 months	Republic of Tajikistan, Hissor town
	Research Institute of Biotechnology of the Tajik Agrarian University named after Shirinsho Shotemur						
3	3.1 Laboratory for Autoclave	Repair	a) Preparation of a defective act; b) Preparation of local resource estimates;	a) Preparation of a defective act; b) Preparation of a local resource estimate and working drawings for the overhaul of an existing building.	a) Dimensions of the room - 5.0x4.5x3.0m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146

3	3.2 Breeding laboratory No. 1	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 5,3x4,1x2,7m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146
	3.3 Breeding laboratory No. 2	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 5,3x4,1x2,7m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146
	3.4 Light-tron laboratory No. 1	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 6,0x5,5x2,5m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146
	3.5 Light-tron laboratory No. 2	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 5,5x4,5x2,5m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146
	3.6 Administrative cabinet	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 6,0x5,5x3,0m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146
	3.7 Laminar laboratory	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 5,5x5,5x2,5m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146

3.8 Laboratory for disinfection	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 11,3x3,3x3,7m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146
3.9 Warehouse	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 6,0x4,2x2,7m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146
3.10 Cabinet of Director	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 6,75x3,55x3,7m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146
3.11 Corridor	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 4,9x3,9x3,7m; b) Internal repair of part of the premises.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146
3.12 Greenhouse	Construction	See point 1.1	See point 1.1	a) Dimensions of the greenhouse – 16,0 x 17,0 x 4,0m; b) The principle of hydro and aeroponics.	2 months	Republic of Tajikistan, Dushanbe, Rudaki street 146

3.13 Storage facility for healthy potato seeds (1 unit)	Construction	See point 1.1	See point 1.1	<p>a) 1st floor; b) Dimensions of the building 10.0 x 4.0 x 3.0 m; c) Underground part - 1.5 m, above-ground part - 1.5 m; d) Compulsory waterproofing in 2 layers of the underground part; e) The roof is reinforced concrete single-pitched with waterproofing. f) The underground part of the walls is reinforced concrete, the above-ground part is cement blocks, the floor is reinforced concrete.</p>	2 months	Republic of Tajikistan, Shahrison district
3.14 Storage facility for healthy potato seeds (1 unit)	Construction	See point 1.1	See point 1.1	<p>a) 1st floor; b) Dimensions of the building 10.0 x 4.0 x 3.0 m; c) Underground part - 1.5 m, above-ground part - 1.5 m; d) Compulsory waterproofing in 2 layers of the underground part; e) The roof is reinforced concrete single-pitched with waterproofing. f) The underground part of the walls is reinforced concrete, the above-ground part is cement blocks, the floor is reinforced concrete.</p>	2 months	Republic of Tajikistan, Devashtich district

	3.15 Storage facility for healthy potato seeds (1 unit)	Construction	See point 1.1	See point 1.1	a) 1st floor; b) Dimensions of the building 10.0 x 4.0 x 3.0 m; c) Underground part - 1.5 m, above-ground part - 1.5 m; d) Compulsory waterproofing in 2 layers of the underground part; e) The roof is reinforced concrete single-pitched with waterproofing. f) The underground part of the walls is reinforced concrete, the above-ground part is cement blocks, the floor is reinforced concrete.	2 months	Republic of Tajikistan, Sangvor district
Ministry of Agriculture of the Republic of Tajikistan							
4	4.1 Greenhouse that meets international standards (2 units)	Construction	See point 1.1	See point 1.1	a) The dimensions of the greenhouse are 100.0x100.0x5.0 m;	3 months	Republic of Tajikistan, Hissor town
	4.2 Greenhouse that meets international standards (1 units)	Construction	See point 1.1	See point 1.1	a) The dimensions of the greenhouse are 100.0x100.0x5.0 m;	3 months	Republic of Tajikistan, Dangara district
	4.3 Greenhouse that meets international standards (1 units)	Construction	See point 1.1	See point 1.1	a) The dimensions of the greenhouse are 100.0x100.0x5.0 m;	3 months	Republic of Tajikistan, Khatlon region
Tajik Agrarian University named after Sh.Shotemur, Tajik Academy of Agricultural Sciences							
5	5.1 Lecture room in TAU	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 18.1x18.7x7.8m;	2 months	Republic of Tajikistan,

				b) Internal repair of the premises;		Dushanbe, Rudaki street 146
	5.2 Foyer TAU	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 17,2x16,7x3,0m; b) Internal repair of the premises;	2 months Republic of Tajikistan, Dushanbe, Rudaki street 146
	5.3 Conference hall of the Tajik Academy of Agricultural Sciences	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 18,0x6,0x4,0m; b) Internal repair of the premises;	2 months Republic of Tajikistan, Dushanbe, Rudaki street 21 a
	5.4 Work cabinet of the Tajik Academy of Agricultural Sciences	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 8,5x4,8x2,6m; b) Internal repair of the premises;	2 months Republic of Tajikistan, Dushanbe, Rudaki street 21 a
	5.5 Reception of the Tajik Academy of Agricultural Sciences	Repair	See point 3.1	See point 3.1	a) Dimensions of the room - 4,8x2,4x2,6m; b) Internal repair of the premises;	2 months Republic of Tajikistan, Dushanbe, Rudaki street 21 a
	Soil laboratories of State Institution "Plant Protection and Chemicalization"					
6	6.1 Building in Sughd region (1 unit)	Repair	See point 3.1	See point 3.1	a) Building 1v 2 floors; b) Dimensions of building 1 - 44.0x11.0x6.5m; c) Replacing the roof covering; d) Replacement of the heating system; e) Building fencing; f) Repair of tiles around the building;	2 months Republic of Tajikistan, Bobojon Gafurov district

					g) Dimensions of building 2 - 20.0x18.0x3.0m (1st floor); i) Replacement of water and sewer pipes in buildings 1 and 2.		
	6.2 Building in Khatlon region (1 unit)	Repair	See point 1.1	See point 1.1	a) 3 floors; b) Dimensions of the building 12.0 x 12.0 m; c) The dimensions of the premises of the basement floor - 3.5x4.5m (6 units); d) Dimensions of the premises of the 1st floor - 3.5x4.5m (5 rooms for laboratories); 2.0x3.0m (bathroom + shower room); e) The dimensions of the premises of the 2nd floor - 3.5x4.5m (head office); 2.0x3.0m (bathroom + shower room); 3.5x4.5m (4 working rooms) f) Fencing device; g) Landscaping.	2 months	Republic of Tajikistan, Bokhtar city
Repair of PMU office							
7	7.1 Building (1 unit)	Repair	a) Preparation of a defective act; b) Preparation of local resource estimates;	a) Preparation of a defective act; b) Preparation of local resource estimates and working drawings for the overhaul of existing premises.	a) 2 office rooms on the 2nd floor of the building; b) Dimensions of the room 1 - 6.0x3.0x3.0m; c) Dimensions of the room 2 - 6.0x6.0x3.0m; d) Internal repair of premises;	2 months	Republic of Tajikistan, Khujand city

					<ul style="list-style-type: none"> e) Replacement of windows (2 units); f) Replacement of doors (2 items); g) Installation of electrical wiring; i) Installation of fixtures. 		
	7.2 Building (1 unit)	Repair	See point 7.1	See point 7.1	<ul style="list-style-type: none"> a) 1 office on the 1st floor of the building; b) Dimensions of the room - 5.6x4.5x3.5m; c) Internal repair of the premises; d) Replacement of windows (2 units); e) Door replacement (1 item); f) Installation of electrical wiring; g) Installation of fixtures. 	2 months	Republic of Tajikistan, Bokhtar city
	7.3 Building (1 unit)	Repair	See point 7.1	See point 7.1	<ul style="list-style-type: none"> a) Restoration of the heating system; b) Partial interior renovation of premises; c) Replacement of railings; d) Repair of electrical wiring; e) Repair of the facade of the building; f) Partial replacement and installation of doors; 	2 months	Republic of Tajikistan, Dushanbe city, Shohmansur district, 1 May street, house #432

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 (SNiP), GOSTs and other regulatory documents in force on the territory of the Republic of Tajikistan.

In addition to the main set, for each lot, 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 Customer in **3 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 facilities **Tajik Agrarian University named after Shirinsho Shotemur and Tajik Academy of Agricultural Sciences, Research Institute of Biotechnology of the Tajik Agrarian University named after Shirinsho Shotemur**

Deliverable 2 - Design and estimate documentation for facilities **Pamir Scientific Center for Agriculture (PSCA) and State Institution "Plant Protection and Chemicalization"**

Deliverable 3 - Design and estimate documentation for the facilities of the **Ministry of Agriculture of the Republic of Tajikistan and Repair of PMU office**

Deliverable 4. - The final report on the conduct of architectural supervision for all objects listed in Table 1.

5. Payment schedule:

Basis for payment	Payment
Advance payment for the provision of a bank guarantee	20% of the contract value
Acceptance certificate signed by the Customer for Deliverable 1, Deliverable 2, Deliverable 3	70% of the contract value
The act of acceptance of the final report on the conduct of architectural supervision for all objects listed in Table 1.	10 % 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 in the Assignment;
- Proven successful experience in implementing at least 2 similar contracts over the past 5 years;
- Availability of competent personnel with the necessary experience appropriate to the Assignment.