

Scope of Works

CONSTRUCTION OF THE WATER BASIN

1. **Title**

Water basin construction works in Shoghakat community of Gegharkunik marz, RA.

2. **The Project**

UNDP “Women and Youth for Innovative Local Development”

3. **Background**

The “Women and Youth for Innovative Local Development” project (the Project) is part of four-year strategic partnership framework between GIZ, UNDP and CoE within “Improvement of the local self-governance system in Armenia” programme, which has a goal to improve the accountability, effectiveness and inclusiveness of local self-government in Armenia in regionally and socially balanced manner.

The municipal sectoral service component of the project aims at supporting the Territorial and Administrative Reform in Armenia and contributing to the delivery of quality, fair and effective services by the communities to local citizens, companies and non-formal groups, also contributing to stronger economic development at the local level.

Currently the project is piloting the Smart Irrigation System establishment service in Shoghakat community.

UNDP is looking for a company to build a geomembrane basin in Shoghakat community of Gegharkunik region to ensure the irrigation of about 500 hectare of land.

4. **Scope of work and content**

Construction of a water basin in Shoghakat community of Gegharkunik region of the Republic of Armenia.

5. **General description**

1. Description of construction	Construction
2. The volume of the basin under construction	30000 m ³
3. The area of the basin under construction	About 8000 m ²
4. Composition of necessary structures	According to the design and the Value sheet

6. **Baseline data**

Coordinates of the basin under construction 40°30'13.25", 45°19'29.86"

7. **Design task**

- Plan the construction of the basin according to the project and volumes attached to this task.
- Plan the construction of the fence according to the project and dimensions attached to this task.
- Realization of architectural, structural, as well as engineering internal networks of the basin under construction: clarification, feeding, supply, emptying, security.

8. **Institutional arrangements**

- The contractor should work closely with experts from the UNDP “Women and Youth for Local Innovation” project.
- The contractor must submit a work performance and acceptance act to UNDP.

9. **Duration of work**

Duration will be 60 calendar days from contract signature.

10. **Workplace**

Shoghakat community, Gegharkunik region, Republic of Armenia.

11. Qualification and Eligibility Requirements

The quote must include the following documents.

- The volume of similar work in the last 5 years
- Documents that confirm the availability of appropriate machine-tractor equipment and tools.
- According to the Law of the Republic of Armenia "On Licensing", a license for the implementation of the construction of the "Hydrotechnical in the field of urban planning"

(Law of the Republic of Armenia "On Licensing") "Hydrotechnical in the field of urban planning"	
<u>License and license insert</u> (Responsible persons carrying out the work in the relevant field, which is an integral part of the same license)	
1.	Residential, public and industrial, hydraulic

12. Staff

The bidder's staff must include at least one employee who must have a higher professional education, the qualification of a construction engineer and hydraulic engineer, as well as at least one year of professional experience in the field of similar works.

13. Technical characteristics and warranty periods of building materials used during construction

Warranty periods of materials used for the construction of a smart irrigation system in Shoghakat community of Gegharkunik marz, RA

N	Description	Warranty
1.	Ferro-concrete manholes	Minimum 5 years
2.	Geotextile	Minimum 5 years
3.	Geomembrane	Minimum 5 years
4.	Polyethylene pipes and shaped parts	Minimum 5 years
5.	Metallic elements	Minimum 5 years

Defect Liability Period is 8 months.

TECHNICAL CHARACTERISTICS

Construction of a smart irrigation system in Shoghakat community of Gegharkunik marz, RA materials used during the execution of works

N	Description	Unit	Characteristics
1.	Ferro-concrete manholes	Unit	factory production
2.	Geotextile	M ²	Minimum thickness – 3 mm
3.	Geomembrane	M ²	Minimum thickness - 1.5 mm, Minimum density - 0.95 grams/cm ³
4.	Polyethylene pipes and shaped parts	M	According to design dimensions and pressures
5.	Metallic elements	M	Minimum thickness – 2.5 mm

Products / construction materials must be unused

Please note that completion and submission of English version of BoQ is mandatory.