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| **List of Technical Requirements and Specifications ITB-18/1694** |

**1. Introduction and objectives**

The major objective of the SARD Programme is to promote confidence in the ATU Gagauzia and Taraclia rayon via opportunities of increasing local development. One of the opportunities and/or components for supporting local development is the implementation of projects for improving/developing small-scale infrastructure in the rural localities of the region. This intervention also intends to eliminate the gaps and drawbacks identified in the Republic of Moldova documents for strategic development of the regions, such as the National Rural Development Strategy, the Agriculture and Rural Development Strategy Moldova 2020, etc. Thus, 41 communities from ATU Gagauzia and Taraclia rayon will be involved in a participatory process of capacity development. This action will facilitate the establishment of local partnerships with the participation of community groups, rayon and local public administrations, NGOs and other local development stakeholders.

Technical assistance will be provided in the areas related to the competences of the Local Public Administration (LPA) bodies, such as: utility services, health, education, social protection, and other. Moreover, about 20 mayoralties from ATU Gagauzia and Taraclia rayon will receive technical and financial support for improving the quality of local services and rehabilitate local-level infrastructure by implementing capital investment projects in communities.

**2. Content of works to be performed and beneficiary communities**

2.1 Usually, the content of works to be performed will include the following types: construction works, works for installing equipment for drinking water pumping and filtering, for purifying used water, automation, etc.; electrical works, works for assembling water and sewerage networks, land development works, works for testing and operating the systems of drinking water filtering and used water purification, works for testing the outdoor lighting system; and launching into operation activities. All these types of works and activities will contribute, by the end of the day, to improving the life conditions for the population in the communities from ATU Gagauzia and Taraclia rayon – beneficiaries of the EU ***„SARD” Programme.***

2.2 The construction works for which this call of proposals is launched refer to one lot, as it is noted in the table below:

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| **Lot** | **Locality** | **Name of project proposal**  |
| ***Lot 1*** | Vulcănești town, ATUG | *Cleaning a segment of the riverbed of the River Cahul alongside Vulcănești town* |

2.3 The projects envisaged for these localities include the following types of constructions works:

**Vulcănești town**

The project envisages the cleaning, restoring and enhancing a segment of the riverbed of the River Cahul which crosses Vulcănești town – 2900m. The following works will be carried out for this purpose:

* preparing works: building the access ways on every sector (temporarily); cutting trees and shrubs; building the platforms for temporary accumulation and drying of sludge (two per each sector of river cleaning), building water discharge channels; cleaning from waste;
* cleaning the river of reed; shredding the existing sludge; cleaning the river from sludge using special pumps PS-165-EP; scraping soil and transportation of sludge separated from water to an authorized storage – 10km;
* mechanized and manual works for profiling and levelling the riverbed and river bevels after cleaning; transporting and laying the new fertile soil (as appropriate) and planting the greensward with grass;

2.4 The Contractor should ensure all the necessary things for performing successfully the contract: work, engineering, materials, equipment, support materials, transport, vehicles, tools and necessary trips for executing all the works included in the contract.

*As a rule, the Contract will include the following activities:*

* ***procuring and delivering*** necessary materials and equipment for performing successfully the works;
* ***preparing the site*** *for storing materials, equipment and performing the works*
* ***construction works –*** mentioned above;
* ***launch into operation*** of construction materials and works;

2.5 The Contractor should ensure that all the materials and activities related to constructions under the awarded contract are coordinated with the representatives of the Beneficiary and UNDP Moldova before being executed, and the later should be respectively accountable for: daily supervision and periodical monitoring of the works on the site.

***Note for bidders:***

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| ***Any time when the technical specifications request for a specific product, specific brand, name/model, the bidders may come up with proposals to coordinate any other product, which is equal in all aspects to the specified product, meeting all the requirements related to origin, all the physical, functional, and performance parameters.*** |

**3. Construction works site**

The works announced in this tender shall be carried out in line with the above-mentioned lot.

# 4. Organizational arrangement

The implementation of the project and the execution of works on the site will be monitored by the Engineer – Consultant, appointed by UNDP Moldova, who will perform systematic site monitoring visits. Additionally, the Engineer – Technical Responsible, authorized by the Local Public Authorities – project beneficiaries, will ensure the daily supervision of construction activities envisaged in the contract.

# Expected results

The following *results* shall be expected from the Contractor:

***Result 1****:* Finishing all the construction works, territory development works, etc., as provided in the contract documents, within a period not exceeding ***150 calendar days,*** since the date the Contract was signed***.***

***Result 2:*** Launching into final operation the site within a period: ***up to 3 months***, since the date the site was delivered upon finished works.

# Main Technical Requirements and Specifications

**6.1 Cleaning a segment of the riverbed of Cahul River alongside Vulcănești town**

The project provides, in particular, for cleaning and rehabilitating the riverbed of Cahul River for a segment of about 3.0 km alongside Vulcănești town. The technical solutions and works will be performed in line with the project documentation no. 11/2 - 17 - A - O – PG, of 30.12.17, developed by „Hidroproiect” S.R.L. Company, License AMMII 041764 of 02.04.2013; the Technical Specifications announced for this tender, as well as local normative documents: NCM G.03.02:2015 “External sewerage networks and installations”; CНиП 3.02.01-87 "Constructions in the ground, foundations and basement "; CНиП II-89-80 "General plans for industrial enterprises "; CНиП III-4-80 "Labor security in constructions ".

The following constructions and local materials will be used for performing the works for enhancing the bevels and water discharge channels, as appropriate: limestone *broken stones* - brand M 300 with fraction 20-40mm; screened *gravel* unwashed by the river with fraction 7.0-15mm; *sorted sand* unwashed by river or lakes, with fraction 0.0 -7.0mm; monolith *concrete* – brand B 22.5; *cement* Portland with adds – brand M30, in sacks S1500; pre-manufactured elements of reinforced concrete of *type* – *L 4 - 8* will be used for the temporary channels for water discharge from the sludge drying*.*

**Marking the equipment**

All the equipment should be marked with original plates from the manufacturer, which should include at least the year of production, main technical parameters and type/ID of the equipment. The assembled cables will be marked at the beginning and end of the networks. All the textual marks necessary for the operation of the system should be in Romanian and Russian languages.

**Reception when the works are finished**

When the construction works are finished, the equipment envisaged in the contract is installed and tested in the appropriate way, the training of the personnel is performed, and the execution documents are sent, a procedure will be organized for launching into operation the site by the end of the construction works. All the costs related to organizing the testing of the installed systems and the training of the personnel will be incurred by the contractor.

**Guarantee period**

The guarantee period for the works shall start on the day the site is delivered and the works are finished and shall last for 36 months.