



Environmental Protection of International River Basins Project

Contract No. 2011/279-666



This project is funded by
The European Union

A project implemented by a Consortium
led by Hulla & Co. Human Dynamics KG

Terms of Reference

Preparation of design documentation and site supervision for rehabilitation of Akhuryan-Akhurik transboundary hydrological observation post in Akhuryan River Basin District of Armenia, and preparation of technical specifications of the gauging equipment to be installed

I. Background

The consultant will assist Human Dynamics to fulfil its requirements under the EU technical assistance contract “Environmental Protection of International River Basins (EPIRB)”. The overall objectives of the EPIRB project are:

- To improve availability and quality of data on the ecological, chemical, and hydro-morphological status of trans-boundary river basins including groundwater; and
- To develop River Basin Management Plans for selected river basins / sub-river basins according to the requirements of the WFD.

The project is being implemented in six countries (Armenia, Azerbaijan, Belarus, Georgia, Moldova and Ukraine) and five pilot river basins:

- Akhurian River Basin District (Armenia),
- Central Kura (Azerbaijan),
- Upper Dnieper Basin (Belarus, Ukraine),
- Chorokhi-Adjaristskali Basin (Georgia),
- Prut Basin (Moldova, Ukraine)

As part of the River Basin Management Plan development process the EPIRB project will implement selected number of improvement measures from the overall Programme of Measures (PoM), as defined under the Water Framework Directive. The selected measures have been agreed with the beneficiaries in each country and will be executed in accordance with the EC contractual conditions. In the Republic of Armenia the following measures have been chosen:

- Refurbishment of new groundwater monitoring borehole in Aknashen community of the Akhuryan RBD of Armenia, including installation of automated equipment (completed);
- A demonstration project for the automated monitoring of critical water abstractions in the Metsamor (Sevjur) River basin in order to strengthen compliance and improve water resource planning and management (completed);
- Rehabilitation of 8 (eight) priority groundwater monitoring springs in Akhuryan catchment of the Akhuryan RBD of Armenia;
- Rehabilitation of Akhuryan-Akhurik transboundary hydrological post in Akhuryan RBD of Armenia, including installation of gauging equipment.

The following Terms of Reference are for the *preparation of design documentation and site supervision for rehabilitation of Akhuryan-Akhurik transboundary hydrological observation post in Akhuryan RBD of Armenia, and preparation of technical characteristics of the gauging equipment to be installed.*

II. Scope of Works

The contractor is responsible for preparation of a design documentation and site supervision for rehabilitation of Akhuryan-Akhurik hydrological post, as well as preparation of technical specification of the gauging equipment to be installed in the post. The assignment is divided into the following three consecutive phases:

1. Preparation of design documents

- Detailed description of the actual condition of Akhuryan-Akhurik hydrological post, including photos from the sites;
- Provision of standard specifications for the works according to the national requirements;
- Preparation of the bill of quantities;
- Preparation of the contract documentation.

2. Technical specification of gauging equipment

- Preparation of proposal on gauging equipment to be installed in the hydrological post, including list of equipment, technical specification and characteristics.

3. Oversight

The subcontractor will provide oversight of the construction and rehabilitation works, and upon successful completion of all works, shall issue all official certificates of completion in accordance with the contract provisions and as required by the Armenian legislation.

III. Programme and deliverables

The programme of the above work is given below:

- Preparation design drawings and bill of quantities for rehabilitation of Akhuryan-Akhurik hydrological post – 31 January 2016
- Detailed description of the gauging equipment to be installed in the post, including proposed technical specifications and characteristics – 31 March 2016
- Site supervision and provision of official completion certificate – 1 April 2016 to 17 July 2016

IV. Remuneration and payment schedule

The contractor will receive a lump-sum of **1,000.00 Euro** for the above services to be paid in two tranches. The first tranche of 700.00 euro to be paid on the production of design and contract documents and equipment specification, and the second tranche of 300.00 euro - upon submission of the completion certificate.

It is recommended that the Contractor will be the State Hydrometeorological and Monitoring Service of the Ministry of Territorial Administration and Emergency Situations of the Republic of Armenia, which owns this hydrological observation posts and knows what kind of rehabilitation works and equipment are needed for the post. They will be the end users of the rehabilitated post.

V. Reporting

The contractor shall report to Timothy Turner, the project Team Leader, regarding overall deliverables and Vahagn Tonoyan, the Country Water Management Expert, for all day-to-day management issues.

VI. Implementation and payment schedule

The total budget for this assignment is 1,000 Euro, and the duration of the assignment is 7 months. The expected commencement of the assignment is December 17, 2015 and the completion date is July 17, 2016. The assignment is divided into three consecutive phases with the following schedule:

Task	Payment	2015	2016						
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Detailed design and cost estimate for rehabilitation of the post	70%								
Development of technical specifications o the gauging equipment									
Supervision of construciton works	30%								