



**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 and contract documentation and site supervision for refurbishment of 8 (eight) groundwater monitoring springs in Akhuryan Catchment of Akhuryan River Basin District of Armenia

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.

The following Terms of Reference are for the *preparation of design and tender documents for the 8 (eight) newly operated groundwater monitoring springs in Akhuryan catchment of the Akhuryan RBD in Armenia and supervision of construction by the state Hydrogeological Monitoring Centre of the Ministry of Nature Protection of the Republic of Armenia.*

II. Scope of Works

The contractor is responsible for preparation of a tender documentation and site supervision for refurbishment of groundwater monitoring springs in the Akhuryan catchment, including the following:

1. Preparation of design and tender documents

- Identification of 8 (eight) priority groundwater monitoring springs in Akhuryan catchment of the Akhuryan RBD of Armenia;
- Detailed description of the exact location and actual situation of the springs, conditions, 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. Tender evaluation

The contractor will assist the Human Dynamics Consortium and the EPIRB project team in technical evaluation of the tender documents.

3. Oversight

The subcontractor will provide oversight of the construction and refurbishment 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 of tender package, including design drawings and bill of quantities – 29 January 2016
- Tender evaluation – 29 February 2016
- Site supervision and provision of official completion certificate – 1 March 2016 to 31 May 2016

IV. Remuneration and payment schedule

The contractor will receive a lump-sum of **878.00 Euro** for the above services to be paid in two tranches. The first tranche of 615.00 euro to be paid on the production of contract documents and the second tranche of 263.00 euro - upon submission of the completion certificate.

It is recommended that the Contractor will be the Hydrogeological Monitoring Centre which owns this groundwater monitoring wells and knows what kind of rehabilitation works are needed for the springs. They will be end users of the springs

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 878 Euro, and the duration of the assignment is up to 7 months. The expected commencement of the assignment is November 1, 2015 and the completion date is May 31, 2016. The assignment is divided into two consecutive phases with the following schedule:

Task	Payment	2015		2016				
		Nov	Dec	Jan	Feb	Mar	Apr	May
Preparation of a tender package	70%							
Tender evaluation and oversight	30%							