

# REPUBLIC OF ARMENIA

## REHABILITATION OF WATER SUPPLY AND SEWERAGE SYSTEMS IN THE REGIONS LORI AND SHIRAK

### - SUPPORT TO EXECUTION OF INVESTMENTS -

#### **Location**

Vanadzor and Gyumri

#### **Client**

Lori and Shirak Water and Sewerage Companies CJSC

#### **Financing**

German-Armenian Financial Cooperation (KfW and Government of Armenia)

#### **Period**

2005 - 2011

#### **Value of Services**

4.579 million US\$



#### **Project Description**

Due to the utilisation of inadequate pipe materials and insufficient system maintenance in the past, the earthquake of 1988 and the unfavourable economic situation, which has developed after the disintegration of the former USSR, the water supply and sewerage systems of the project towns Vanadzor and Gyumri and of 69 major and small villages connected to the water transmission systems suffer from severe technical and financial problems: Water distribution is highly insufficient, water losses are excessive, sewage evacuation partly inadequate, sewage treatment absent, and reduced water demand and inadequate water tariffs do not allow for proper system operation, maintenance and repair by the newly established autonomous water utilities.

The overall goal of the investment component of the project is to reinstate a 24-hour water supply service and a safe drainage and disposal of wastewater for the estimated 300.000 inhabitants of the project area. This shall be achieved by a three-staged rehabilitation programme, of which this first phase will cover up to 50% of the water supply systems and urgent works for the sewerage systems.

An accompanying separate project component focuses on 'Strengthening of Managerial Skills' and is also executed by GITEC.

#### **Scope of Services**

- Proposal and preparation of specifications for procurement of machinery, vehicles, equipment, tools and materials for technical refurbishment of workshops and for operation and maintenance of water supply and sewerage systems;
- Preparation of final designs for the rehabilitation of water supply, sewerage and sanitation systems, offices and workshops;
- Preparation of tender documents incl. comprehensive specifications and bills of quantities, in accordance with relevant local and international regulations (FIDIC);
- Assistance in tendering, tender evaluation and contracting;
- Supervision and surveillance of rehabilitation and construction works.
- Supervision of additional hydro geological investigations.