



WATER SUPPLY AND SANITATION PROJECT, ARMENIA

COMPONENT A: MUNICIPAL INFRASTRUCTURE REHABILITATION AND IMPROVEMENT

Country Republic of Armenia

Client Asian Development Bank/
“Armenian Water and Sewerage” CJSC

Co-executors: HGSN Ltd.

Duration April 2008 – September 2012

Brief description of project and services provided

The project goal was improvement of water and wastewater systems of residential areas.

For 251 residential areas in 10 marzes of Armenia preliminary studies, feasibility studies, social, gender and environmental studies and analyses, preliminary design, development of environmental management and monitoring plans, detailed designs have been implemented.

The following activities have been carried out:

- field-instrumental investigations;
- Social, gender and environmental studies and analyses, development of environmental management and monitoring plans;
- identification of water supply schemes of the residential areas, inventory and mapping of the existing pipelines (water main and water supply network);
- Calculation of water demand and DRRs;
- Hydraulic modelling of the distribution network through Epanet software;
- Development of water supply scheme network, justification of sectorization;
- Development of technological nodes (flow and pressure regulation, water metering nodes, private house connections, various connections);
- Estimation and prioritization of improvement measures;
- Financial analysis;
- Development of detailed designs, including working drawings, technical specifications, bill of quantities, procurement package and cost-estimates;
- Technical supervision of construction quality.



Project objective:

Improve water supply to residential areas covered by the project through providing metering of water consumed by customers, increasing duration of water supply, improving distribution network hydraulic regimes, reducing leakage level in the distribution network.