

## IMPROVEMENT OF WATER SUPPLY SYSTEMS OF GORIS, EGHEGNADZOR, ECHMIADZIN, ARARAT, VEDI, MASIS, STEPANAVAN, TASHIR, TALIN, ALAVERDI, ARTIK, NOYEMBERYAN CITIES AND SERVICED SETTLEMENTS OF THE AREAS

**Country** Republic of Armenia

**Client** World Bank

“Armenian Water and Sewerage” CJSC

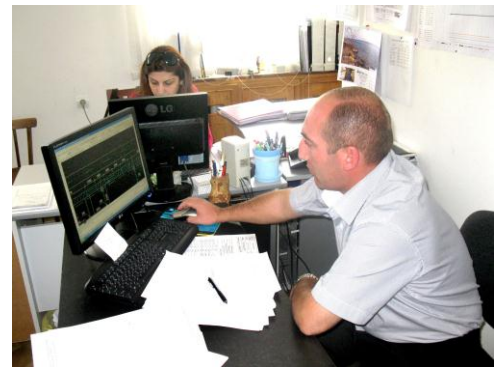
**Co-executors:** SCE Group (France)

**Duration** March – December 2007

### **Brief description of project and services provided**

The following works have mainly been carried out for the mentioned 12 towns:

- field instrumental investigations
- identification and mapping of the existing pipelines (water mains and water network) and inventory of water supply schemes of the towns,
- calculation of water demand and DRRs’ capacities
- hydraulic modelling by EPANET software
- development of water supply network scheme, justification of water supply network zoning
- development of technological nodes (flow and pressure regulation, water metering, private houses’ connections, various connections)
- classification and assessment of measures aimed at improvement, prioritization of measures
- development of detailed design packages, including working drawings, technical specifications, bill of quantities, procurement package, cost-estimations, etc.



Beside the activities mentioned above, also designs for Araratyan I and II stage PS (Masis) reconstruction design, and Berdavan (Noyemberyan) PS’s technological part renovation design, as well as designs for repair of DRRs of Alaverdi, Stepanavan towns and new under-bed water intake structure’s design have been developed.



### **Project objective:**

Improve supply of water of the required quantity and quality to Goris, Eghegnadzor, Echmiadzin, Ararat, Vedi, Masis, Stepanavan, Tashir, Talin, Alaverdi, Artik, Noyemberyan cities and serviced settlements of the areas.