



DESIGN OF RECONSTRUCTION OF WATER SUPPLY SYSTEMS OF TOWN MASIS AND NEARBY 7 VILLAGES

Country Republic of Armenia

Client World Bank/

“Armenian Water and Sewerage” CJSC

Co-executors: SCE (France)

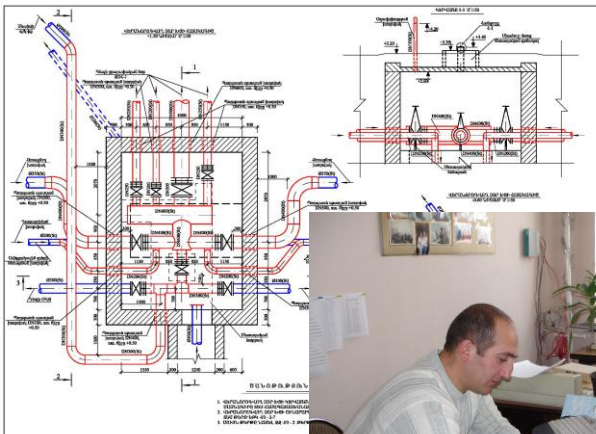
Duration May – July 2012

Brief description of project and services provided

Within the framework of the project preliminary study and feasibility study was carried out for water supply systems of town Masis and 7 nearby villages, a preliminary design was developed, after agreement of which a detailed design was developed.

The works under the PD include field instrumental investigations, identification of the existing water supply schemes of the settlements, inventory and mapping of pipelines, calculation of DRRs’ capacities and water demands, hydraulic modeling of the distribution network, justification of sectorization, development of technological nodes, evaluation of improvement measures and their prioritization, environmental study and analysis, financial analysis and development of detailed design on the bases of the mentioned works.

The detailed design for improvement of water supply systems of town Masis and villages Ayntap, Hayanist, Darbnik and Dashtavan was developed, including design works (working drawings, technical specifications, environmental management plan, bill of quantities, cost-estimates) for repair of 3 operating artesian wells, installation of one additional pump in Masis pump station, repair of the dry chamber of Kharberd DRRs, construction and reconstruction of distribution networks of the settlements, replacement of inlet lines of multi-apartment blocks and private houses and installation of water metering chambers, replacement of emergency section of water main feeding town Masis, construction of new water main feeding villages Ayntap and Hayanist.



Project objective:

Improvement of water supply systems of town Masis and villages Ayntap, Hayanist, Darbnik and Dashtavan, completing the improvement works started in recent years, providing improvement of qualitative indicators of water consumed by customers, metering of the consumed water amount, efficient hydraulic regimes of distribution network, reducing the leakage level in the networks.