



WATER SUPPLY REHABILITATION FOR GNDEVAZ COMMUNITY

Country Republic of Armenia
Client Rural Areas Economic Development Programme
 AAU SI
Duration May-August 2006

Terms of Reference

1. Investigation of the water supply system, study of technical condition of the existing facilities,
2. Development of detailed design,
3. Development of bidding documents.



Brief description of project and services provided Technical condition of the existing water supply system of Gndevaz community was studied; detailed studies of spring intakes, water main and DRRs were carried out. Hydro-geological studies of 3 springs, engineering-geological investigation of spring intakes and water main areas were carried out. The detailed design plans:

- repair of 3 spring intakes,
- construction of 200mm 17km long gravity water main,
- design of distribution node on the water main for water intake with irrigation purpose (up to the chlorination station),
- construction of pressure regulation and vent chambers on the water main,
- repair of two 150m³ capacity DRRs,
- Construction of chlorination station within the DRRs' area with dry dosing vacuum chlorinators.

Based on the carried out works, design and cost-estimation documents were prepared, working drawings, technical specifications, Bill of Quantities, cost-estimates were developed.

During the design development the water demands for drinking-household and farmland irrigation, environmental protection issues were taken into account.



Project objective:

Rehabilitation of water supply to Gndevaz Community in Vayots Dzor marz, providing population with continuous and reliable drinking and irrigation water supply.