

BOLIVIA

WATER SUPPLY AND SEWERAGE IN MEDIUM SIZED TOWNS

Location

Departamentos Potosí, Chuquisaca, Santa Cruz, Tarija

Client

Viceministerio de Servicios Básicos (VMSB), La Paz

Financing

German Financial Cooperation / KfW

Period

2000 - 2001

Value of Services

1.134 million US\$



Project Description

Elaboration of a feasibility study for the extension, rehabilitation and renovation of the water supply and sanitation systems in 11 medium towns in the departments Potosí, Chuquisaca, Santa Cruz and Tarija for the following 15 years. As part of the program components investments are included for the reduction of the environmental pollution which is caused by the mining activities, particularly through the manual tin extraction, in the region of Lallagua.

The establishment and strengthening of service associations, which will be responsible for the efficient administration of the respective services, is foreseen at the same time and in cooperation with the German Technical Cooperation (GTZ).

Scope of Services

- Evaluation of the actual condition of the water supply and sanitation systems, the hydraulic resources and problem analysis
- Household survey in order to obtain socio-economic data and information as to the water supply and sanitation situation
- Population development and urban development for the project towns
- Determination of the actual and future water demand and the sewage production
- Project concepts for water supply and sewerage/sanitation
- Cost estimates for investment, operation and maintenance for various alternatives with prioritisation of alternatives
- Predesign for the selected alternatives
- Calculation of tariffs which cover wholly or partially the cost of the organisations
- Development of a strategy aimed at the reduction of the environmental impacts of the mining activities

Concerning the development/strengthening of the service organisations:

- Analysis of the institutional situation (legal, organisational and administrative-financial)
- Proposals for the organisational requirements
- Description of the legal and normative steps required for the creation of the proposed structure