



Water Sewerage

Client

Public Works Department –
Public Health Branch
Government of Haryana

Location

Haryana, India

Master Plan, Feasibility Studies, Project Reports for Sewerage and Drainage Works

This project entails preparing master plans for sewerage and drainage system improvements for YAP III in eight towns in the state of Haryana under YAP II India: Yamunanagar, Karnal, Panipat, Sonapat, Rohtak, Bahadurgarh, Gurgaon, and Faridabad.

Each master plan identified and evaluated alternative sewerage infrastructure improvement schemes. Each evaluation of alternatives addressed a full range of technical, environmental, social, and financial issues.

Feasibility studies were conducted for the priority projects identified in the master plans. The primary purpose of the feasibility studies was to ascertain the technical and implementation viability of each priority project. Based on assessment of all the evaluation factors, each alternative was ranked and recommendations were made, in consultation with stakeholder agencies, for the apparent preferred options. Cost and tariff structures were also reviewed and potential modifications to those structures were suggested. Preliminary designs were prepared and included in the feasibility study reports for the recommended alternatives.

Detailed project reports were prepared for the highest priority projects selected by stakeholder agencies in the feasibility studies. These reports included detailed engineering analysis, intermediate design drawings, modular specification of works, bills of quantities, and block cost estimates.

Objectives of the project included:

- Reducing pollution in Yamuna River
- Developing cost-effective sewerage infrastructure with best use of international technology
- Improving general health and hygiene of project towns

