

**Refurbishment of Trunk Sewers and Implementation
of Related Works in Delhi**
(Delhi Jal Board Funded Project)

**New Delhi
India**

Project Brief

Sewage Overflows in Storm Water Drains

There are about 6000km of sewer network in Delhi and substantial portions of it, about 5600km, are internal or subsidiary sewers of diameter less than 600mm. Most of these trunk sewers are dysfunctional or partially functional due to multitude of problems such as settlement of sewers; sewage related structural failures, leaking joints, disjointed sewer pipes, heavy silt at blockage due to indiscriminate throwing of rubbish and debris into manholes, illegal discharge of trade waste and collapsed sewers.

These dysfunctional sewers are the main cause of sewage overflows in storm water drains. As these trunk sewer systems do not convey the sewage to the various sewage treatment plants (STPs), for treatment and disposal, the raw sewage is by passed by pumping into the stormwater drains and water ways. As a result, not only the STPs are being under-utilized and consequently they too begin to malfunction, but the storm water drains and water ways are heavily contaminated with the by passed sewage. The sewage overflows in the drains and waterways are causing pollution in the river Yamuna and pose serious threat to public health and environmental hazard to the residents in Delhi.

Financing Agency

Delhi Jal Board

Client Name

Delhi Jal Board, New Delhi.

Project Cost (INR): Rs. 370.14 Crores

Year and Period of consultancy: 2006

Our Services

- ❖ Implementation Plans
- ❖ Topographical and investigative desilting and CCTV survey
- ❖ Geotechnical Investigations
- ❖ Basic Study report
- ❖ Prequalification and Short listing of Bidders
- ❖ Tender Documentation and Award of Work
- ❖ Post Contract Project Management Activities (Supervision and \ Monitoring)
- ❖ Operation and Maintenance



Internal Measurement of Pipe Diameter



Existing Sewerage System

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