

Installation of Sewers in Mumbai by Microtunnelling (Diameters from 350mm to 1400mm)

(A World Bank Funded Project)

Mumbai
India

Project Brief

TTI is the appointed consultant to provide engineering services to Delhi Jal Board (DJB) for rehabilitation/renovation of trunk sewers in Delhi.

Under Phase 1 works, TTI is providing Project Management and Contract Administration services to DJB for the structural rehabilitation of 1200mm & 1600mm dia RC/ brick barrel and 1425mm x 950mm egg shaped brick sewers by CIPP lining process through two contracts worth US\$ 15.9 million.

The project commenced on April 1, 2003

Financing Agency

Delhi Jal Board (DJB)

Client Name

Delhi Jal Board, (DJB)

Year and Period of Consultancy: 2003, 2 Years

Scope of work:

CIPP lining (Type-II, stand alone) with desilting and CCTV survey

Two Contracts

1200 mm dia.750 m
1600 mm dia.1150 m
1650 mm dia. 2350 m
1900 mm dia. 691 m
950 X 1425 mm	840 m
(egg shaped)	
Total Length.....	5781 m

Method adopted/ systems used

Trenchless rehabilitation/renovation of brick barrel/RCC sewer lines by structural lining process using CIPP liners (Designed as standalone Type-II).

Role of consultant: Prime Consultant

Type of services performed

Project management, construction supervision and contract administration of rehabilitation/renovation of brick barrel/RCC sewer lines by CIPP lining method.

Project Cost : Rs 682 millions (including 10yr maintenance)



1200mm dia CIPP inversion



CIPP lined 1200mm Dia Sewer



1200mm Dia CIPP liner through a manhole

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