

**Rehabilitation and Strengthening of Water Supply System Under K-III Project,
Contracts WSS-5, 5A, 7 & 12 Strengthening of Joints Externally Of PRCC Water
Trunk Mains, 33" Dia, 36" Dia, 48" Dia, and 66" Dia.**

Background of Work

Out of many buried bulk potable water main transmission pipelines some of them which were providing water supply around 100 MGD to the city distribution network were unable to supply the water in required quantities.

Due to variety of leakages and deteriorations in allied structures, the loss of water was estimated around 40% in quantity and in terms of loss of revenue estimated 87.60 million per month. The PRCC trunk mains/pipelines in dia 66", 54", 48", 36" and 33" which had substantial leaks were required rehabilitation and strengthening work enabling them to sustain pressure which is required to increase the quantity of water and accordingly the required works executed.

Scope of Work

- ✚ Plugging of water leaks from inside and outside of the PRCC pipelines from 33" to 66" Dia pipe main barrel and joints, rehabilitation of RCC Chambers, Valve Chambers, Concrete works for the protection of pipeline, Mechanical Works which include providing and fixing of new Valves and fittings rehabilitation works for existing valve and fittings.
- ✚ Dewatering works to remove Standing water, subsoil water and water leakages accumulating during the execution of works.



Client

Karachi Water & Sewerage
Board, Karachi.

Consultants

MM Pakistan (Pvt) Ltd.

Location

Karachi

Cost of Works

171.338 Million

Year of Completion

April 22nd, 2010

