

Sabarmati Riverfront (SRFDCL - AMC)

India's Most Successful River Cleaning (Sewage Interception & bank development) project Ahmedabad, Gujarat.

Sabarmati river has been an integral part in the life of Ahmedabad since the time the city was founded in 1411 along the river banks. Besides being an important source of water, it provided a backdrop to cultural and recreational activities. During the dry seasons, the river bed became a place for farming. With time it also offered place for various informal economic activities, and the river banks were used by informal squatter settlements.

Gradually, however, the intensive uses took their toll on the river, untreated sewage flowed into the river through storm water outfalls and dumping of industrial waste posed a major health and environmental hazard. The river bank settlements were disastrously prone to floods and lacked basic infrastructure facilities. Lacklustre development took shape along the riverfront. Such conditions made the river inaccessible and it became a virtual divide between the two parts of the city. Slowly, the city turned its back towards the river.

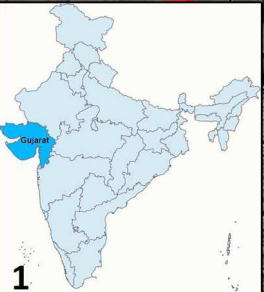


The Ahmedabad Municipal Corporation (AMC) set up the Sabarmati Riverfront Development Corporation Ltd (SRFDCL) in May 1997 funded by central government of India with a seed capital of ₹ 10 million and was charged with the responsibility of developing the approximately 10.4 km stretch along the river in the city.

In the first phase, EPC identified a 20 km stretch of the riverfront extending from Subhash bridge to Vasna barrage and proposed to reclaim 162 hectares (400 acres) of the riverbed. SRFDCL planned to sell or lease out a part of it to finance the project. In 2003, it extended the project to cover a 20 km stretch from the Narmada main canal to Vasna barrage.



"The project is an urban regeneration and environmental improvement initiative: KPMG"



Reconnecting Ahmedabad to its River...
(by Prevailing Sewage outflow)

Pump sets Data : Non Clog Sewage Submersible Pumpsets.

Sr. No.	Capacity	Head	Qty.	Rating	Name of Pumping Station
1	1630 m3/hr	10 m	4 Working + 1 Standby	100 hp	52 MLD Usmanpura Intermediate PS, West Side.
2	1800 m3/hr	25 m	5 Working + 1 Standby	250 hp	77 MLD Vasna Barage, Terminate PS, West Side.
3	2625 m3/hr	8 m	3 Working + 1 Standby	140 hp	84 MLD Shahpur Intermediate PS, East Side.
4	2070 m3/hr	20 m	6 Working + 2 Standby	250 hp	149 MLD Ambedkar Bridge Terminal PS, East Side

Project Data

- Customer : KBL
(Aqua Machineries Pvt. Ltd.)
- End Customer : SRFDCL
(Sabarmati River Front Development Corporation)

The Massive Sewage Diversion

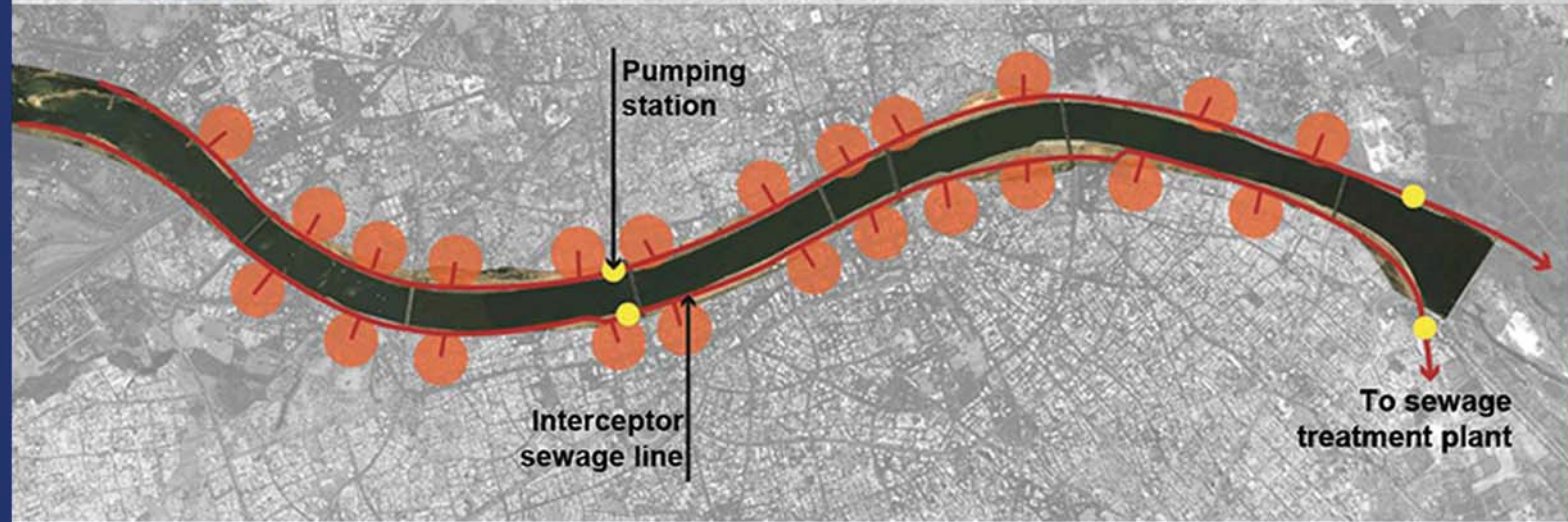
The sewage from 38 drainage points used to fall directly in to the river earlier, making the water dirty, mosquito ridden and creating an unhealthy environment.

To stop the pollution of the river from the storm water outfalls and industrial effluents, an integrated storm water and sewage system with interceptor sewers has been implemented. These interceptor lines have been installed along both banks of the river capturing 38 sewage discharge points and routing the sewage with new pumping stations in the reclaimed banks. These lines carry untreated sewage to the recently augmented sewage treatment plants south



After the launching of the project in year 2000, Sabarmati is now much more clear.





AHMEDABAD MUNICIPAL CORPORATION
SEWAGE TREATMENT PLANT DEPARTMENT
 M.K. Shah
 BE (Elec.)
 Addl. Chief Engineer
 Sewerage Operation E. & M.
 Telephone No.- 079-25391901 Mobile No.-9327038796

DATE: _____

To Whom It May Be Concern

This is to certify that we are using "Aqua" make Submersible non clog Sewage pumps of the following ratings:

Sr No.	Capacity	Head	Qty	Rating	Name of Pumping Station
1	1630m ³ /hr	10mtr	4W + 1S	100HP	52MLD Usmanpura Intermediate PS, West Side
2	1800m ³ /hr	25mtr	5W + 1S	250HP	77MLD Vasna Barage, Terminate PS
3	2625m ³ /hr	8mtr	3W + 1S	140HP	84MLD Shahpur Intermediate PS, East Side
4	2070m ³ /hr	20mtr	6W + 2S	250HP	149MLD Ambedkar Bridge Terminal PS, East Side

These pumps are working satisfactorily since 2009. The pumps have given maintenance free performance.

Addl. Chief Engineer
 STP Department
 (Ahmedabad Municipal Corporation)



Aqua's Solution :

Before the project was started, a comprehensive study was carried out. The pumping stations of SRFDCL equipped with Aqua pumps proved to be an ideal solution-both from a meaningful waterfront environment, along with sewage diversion to clean the river; water retention & recharge and from an economic view-point.

The Sub Sewage pumps had been installed vertically autocoupled and working satisfactory & maintenance free since 2009 to till date. In this way, the SRFDCL Project in Ahmedabad shows how sewerage problems of rivers can be reliably solved with Aqua technology. The Aqua modular system permits combination of both pump types in one and the same installation.



Pumping Stations at Riverfront

Pakistani delegation studies Riverfront project in Ahmedabad

Pakistan may adopt some concepts implemented in the Sabarmati riverfront project for its ambitious Ravi Riverfront Urban Development (RRFUD) project, said members of the high-level delegation of the Lahore Development Authority (LDA). The team led by the LDA commissioner made a detailed technical inspection of the 11-km riverfront stretch.

The main aspects of the Sabarmati project that LDA officials looked into include the interceptor drainage lines being installed to divert domestic sewage and prevent it from draining into the river. The other aspects are the flood monitoring system of the river, and the recent project for tertiary treating of domestic sewage after which the treated waste will be allowed to flow into the river. The Pakistan team was particularly interested in the project for tertiary treating of domestic sewage because it studied it keenly.

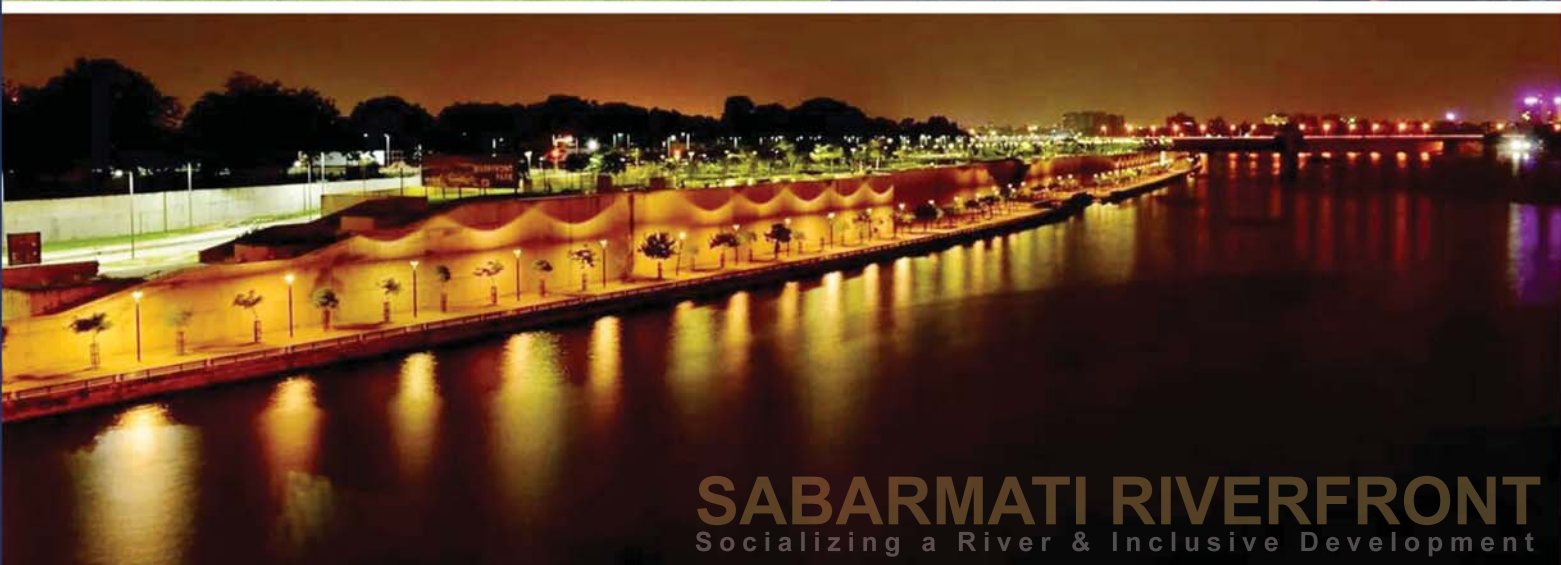
The Pakistani delegation will hold a meeting with SRFDCL board members and senior leaders of the standing committee on that day.



KPMG, one of the world's top advisory firm has included Ahmedabad's Sabarmati Riverfront Development Project in the list of 100 Most Innovative Projects' towards urban regeneration that make cities livable as well as sustainable.



Indian Prime Minister **Shri Narendra Modi** had hosted a dinner on the Sabarmati riverfront, Ahmedabad for **President of China MR. Xi-Jinping** on September 17-2015 for a business meeting and to strengthen India-China ties.



SABARMATI RIVERFRONT
Socializing a River & Inclusive Development