

BIOMIMICRY TECHNOLOGIES



Sewage Treatment

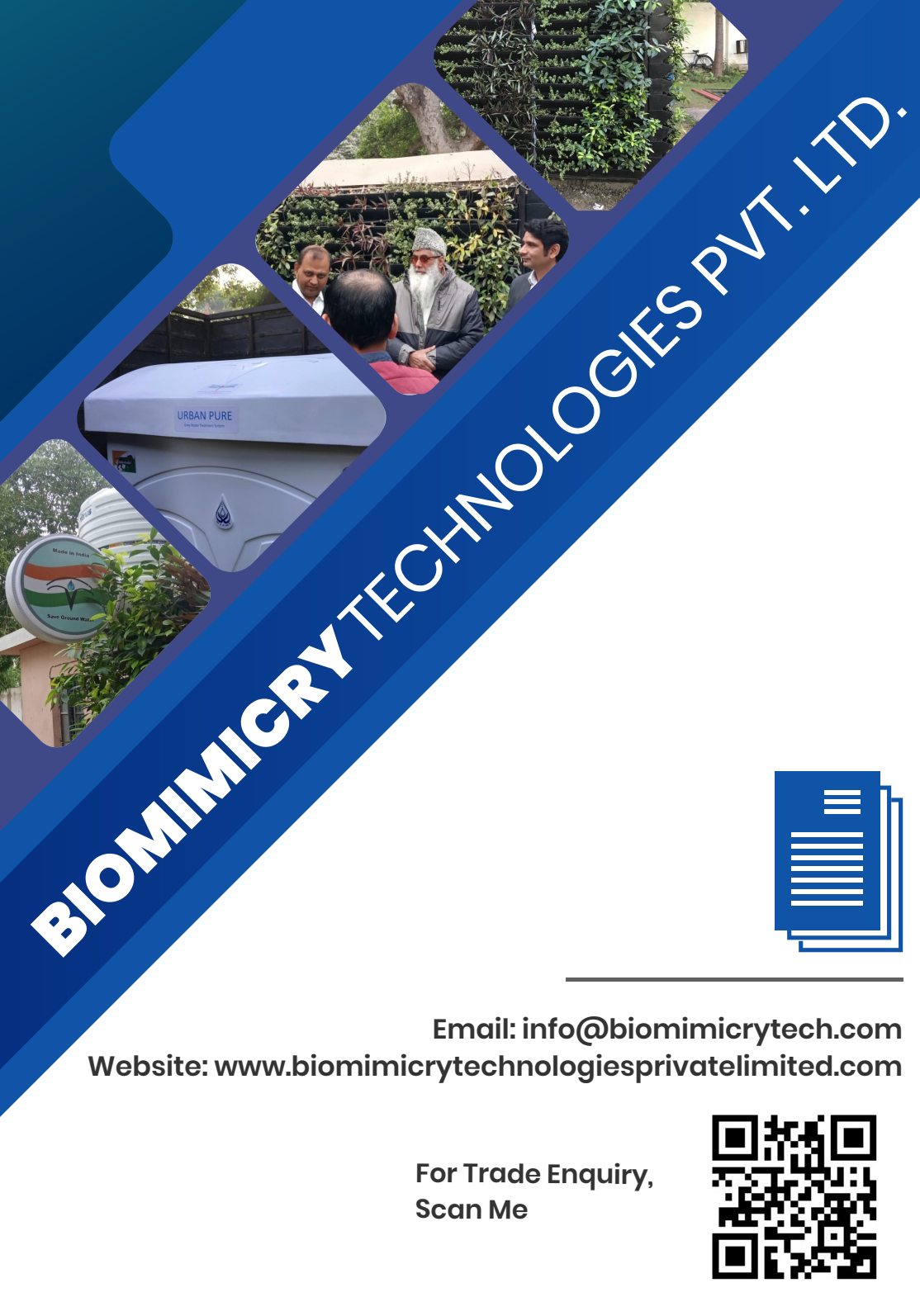
Location: Hauz Rani Park, Malviya Nagar

Completed: Feb' 23

Technology Development: Biomimicry

Installation and Commissioning: Biomimicry

CASE STUDY



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THE OVERVIEW



Sewage treatment plants are an engineering challenge and due to rapid urbanization, capacity of STPs and their design is getting challenged.

Issues related to conventional solutions include

- (i) large acreage
- (ii) long gestation periods
- (iii) elaborate maintenance
- (iv) under-design / over-design

THE PROBLEM

School Principal of DTEA Senior Secondary School informed us that their major concern was also the choking of sewer lines and, hence, overflowing of dirty sewer water, spilling into the school premises and compromising the aesthetics.

THE SOLUTION

Biomimicry recommended their home grown technology called Urban Pure to School Principal. The Urban Pure system is modular in design which can be quickly installed and will help to overcome the issues faced by the school.

Urban Pure is having

- (i) small footprint, saving large acreage
- (ii) Low energy consumption, flexibility of being operated with Solar
- (iii) Modular in design – ease of scalability
- (iv) Very quick installation and commissioning with respect to conventional solutions



THE RESULT

The Principal informed that the water quality was good, regularly used for gardening the plants in school premises. She also informed that it has reduced the school electric bills as the water required for gardening is now provided by Urban Pure system.

MLA (Adv) Somnath Bharti visited the school to understand the system and tested the water quality. He had great words of encouragement for the system and expected more such cases across Delhi



In this project, 20 KLD system was deployed at DTEA Senior Secondary School located at Moti Bagh, New Delhi