DWWTS at Khulna, Bangladesh

Country: Bangladesh
Landuse: Neighbourhood
Scale: Neighbourhood
Objectives: Ownership: Govt. & Private
Intervention: Project

Location
Khulna, Bangladesh

Designed Capacity: 28 KLD
Area: 223 sq. m

Background
The treatment facility receives domestic sewage from the two common toilets that caters to one of the buildings of a residential housing colony. The housing colony is a low income group settlement. The facility at the site has been effective in improving living conditions and sanitation condition in the neighbourhood.

Timeframe
Operational since: 2014

Project Collaborators
Implementing organisation: Nabolok Parishad and Water Aid Bangladesh
### Strategies and Interventions

The domestic sewage generated in the two common toilets of one of the buildings first enters into a two chambered settler. The partially treated sewage from the settler then undergoes secondary anaerobic treatment through Anaerobic Baffled Reactors (ABR). The 9 chambered ABR in addition to 4 chambers of filters offer anaerobic treatment through its multiple chambers. The treated sewage is then passed through horizontal gravel filters bed planted with Canna indica. Final treatment is done through polishing ponds that has been innovatively designed with gravity fed fountains that adds to the aesthetics.

### Outcomes of the Project

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<th>Funding and costs</th>
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<td>Visually clear water and no odour around the area.</td>
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### Additional information:

References:


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