

Why we must act

Clean water and safe sanitation for all—by 2030. This is the commitment the global community has made with the adoption of the UN Sustainable Development Goals. Together we can bring about a **more just and stable world.**



Contaminated water, lack of hygiene, poor sanitation:
Every day around **2,300 people die** as a result.



BORDA, founded in 1977, is a German-based civil society expert organisation focused on the provision of essential public services. In South Asia, BORDA works through its partners in India, Bangladesh, Bhutan and Nepal.

More than 40 years of fighting poverty and improving living conditions

7.5 billion people live on our planet.

2.4 billion people...

... use a smartphone.
... do not have basic sanitation.



Nearly **1 billion people** practice open defecation.

An additional **2.1 billion people** go without safely managed sanitation

● Regional Office
○ Project Partner

- ▶ We design and implement urban sanitation systems.
- ▶ We develop and disseminate know-how for integrated management of water and waste.
- ▶ We implement decentralised, sustainable technologies and operating models.
- ▶ We work together with local partners – as transparent and trusted long-term capacity builders.

People.

We help create liveable cities and communities.



Like many towns and cities in Bhutan, Samtse (pop. 6,600) does not have an underground drainage (UGD) system. Most households depend on onsite septic tanks. The faecal sludge treatment plant designed by BORDA with treatment capacity of 3m³, treats faecal matter in a natural, cost effective and energy efficient way and has minimal operation maintenance requirements. The projects was led by Ministry of Works and Human Settlement (MoWHS) in collaboration with Royal Government of Bhutan, SNV and CDD Society.

- ▶ Through the training centre -Centre for Advanced Sanitation Solutions- BORDA-South Asia delivers technical capacity building of unskilled and skilled sanitation workers, Govt officers, planners, engineers and decision makers.

Innovating.

We develop customised and sustainable solutions.

Leh (pop. 31,000) is a Himalayan high-desert city with an altitude of 12,000 feet and an extreme climate ranging from -30°C to +35°C. The region is feeling the impact of climate change, with water scarcity becoming a pressing concern. After building consensus and agreement on the need for a faecal sludge management (FSM) solution, BORDA helped the Municipal Committee of Leh to structure a first-in-India public-private partnership for turn-key design, construction, set-up and operations of city-wide FSM services (DBOT). The treatment plant was designed and built in a record 44 days as a result of close cooperation between the municipality, BORDA, CDD Society and the Blue Water Company.



Worldwide...

- ▶ ... 80 percent of sewage goes untreated.
- ▶ ... Almost 2 billion tonnes of municipal waste are generated every year.



What cannot be maintained, need not be built.

Our work is especially effective in relation to these UN Sustainable Development Goals:



- ▶ BORDA is now partnering with local governments to help, design and implement integrated water and solid/liquid waste management plans to make cities more sustainable, resilient and liveable especially for the urban poor.

Sanitation.

We help cities plan and implement.

The Government of Bangladesh launched "3rd Urban Governance and Infrastructure Improvement project (UGIIP III)" financed by Asian Development Bank (ADB) in 2014. The project aims to strengthen urban governance and improve urban infrastructure and service delivery in 31 municipalities in Bangladesh. BORDA prepared a technical action plan to implement modular and decentralised sanitation infrastructure in combination with capacity building programs as well as awareness generation campaigns.



- ▶ Devanahalli, Bangalore got country's 1st FSTP in 2015 with the joint effort of Town Municipality, Gates Foundation, CDD Society and BORDA.
- ▶ Municipalities lack resources and capacities to provide 100% of the population adequate access to sanitary infrastructure at one go.



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