

THE PROJECT



BANGLADESH Dhaka Water Operators Partnership

In the mega-city of Dhaka, the capital of Bangladesh, Dhaka Water Supply and Sewerage Authority (DWASA) is preparing itself for the future. Rapidly declining ground-water tables, severe environmental pollution, climate change, deteriorating infrastructure and a fast growing and demanding population are forcing DWASA to enhance its operations, to invest in infrastructure, to adopt new technologies and to create a turn-around in its internal organization as well as in its customer relationships and stakeholder approach. All project activities are in order to prepare itself for the challenges of the future.



Target water company:
Dhaka Water Supply and Sewerage Authority (DWASA)

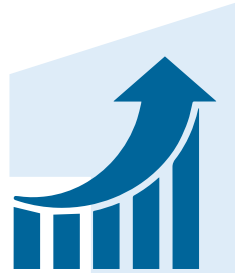


Contract value:
€ 6.9 million, 70% co-financing EKN



Contract duration:
2012-2016

PROJECT TARGETS



OPERATIONAL EXCELLENCE, THROUGH:

- improving design and construction methods of deep tube wells by construction of demonstration well and developing a ground water model to explore geohydrological responses to management decisions
- increasing Deep Tube Well (DTW) performance and O&M practices by regeneration of wells and adjusted energy efficient pump selection and operation
- improving management of distribution networks and district metered areas by skilled caretakers, active leak detection and a NRW reduction programme, maintaining NRW at 15%
- improving 24/7 operational control of 5 District Meter Areas (DMAs), including online DTW operation



SUPPORT OF DWASA IN PROVIDING WASH SERVICES TO THE URBAN POOR, THROUGH:

- provision of cost recovery and commercially viable water, sanitation and hygiene (WASH) promotion services to 6 low income communities, in total serving 25,000 inhabitants
- employing skilled and professional employees trained by the WOP
- allocation of tasks, responsibilities and accountability to DWASA's zonal offices
- further replication of best practices and proven technologies and approaches to other zones in Dhaka



INTENSIFIED BANGLADESH-DUTCH BILATERAL COOPERATION, THROUGH:

- strengthening relationships between Bangladesh and Dutch public/private business in the WASH sector
- sharing and disseminating results and lessons learned from the WOP in the water sector of Bangladesh and the Netherlands
- identifying of new opportunities for bilateral WASH cooperation in Dhaka, e.g. urban dredging

SUSTAINABILITY

Within the targeted Zone 5 of DWASA the proposed DMA management and operation and maintenance practices are implemented and adapted. This is resulting in effective management, operation and maintenance of their DMAs. This new way of working, introduced by the project, is resulting in a longer lifetime of DTWs, sustainable abstraction rates, energy efficient operations and effective disinfection. The best operational practices are rolled-out to other DMAs and DWASA Zones through a multitude of workshops, show cases and reports. Since the start of the WOP project, DWASA plays a more proactive role in WASH services provision in Low Income Communities (LICs). DWASA is now planning to connect all LICs in the mega-city to its water distribution network and work together with the communities to make sure the water and sanitation facilities are maintained properly and water bills are paid in time.



“The WOP introduced innovative tools and methods for improved control and management of water supply system to all inhabitants of Dhaka”



PROJECT PARTNERS

The Embassy of the Kingdom of the Netherlands ▪ Simavi ▪ Water for Life ▪ Devcon ▪ DSK



ABOUT VITENS EVIDES INTERNATIONAL

Vitens Evides International (VEI) supports water companies in developing countries by improving their business processes in a sustainable way. VEI shares the extensive and prolonged experience of six water companies in the Netherlands: Vitens, Evides Waterbedrijf, WML, Watercompany Groningen, PWN and Brabant Water. Since 2006, VEI has already assisted to improve water services for millions of people in Asia, Africa and Latin-America. www.vitensevidesinternational.com



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