

Achievement of MDG in terms of Water Supply and Sanitation: Bangladesh Context

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Bangladesh at a Glance



Area	147,570 sq. km
Population	140.00 million
Gross National Income (GNI)	\$ 470.00
Life Expectancy	64 yrs.
Adult Literacy rate (2000-04)	M-50%, F-31%
Net Pry. School enrollment (2000-05)	84%

Million Development Goal and Bangladesh

- ▶ 8 Goals and 18 target was set under the internationally agreed frame work of MDG. Target 10 under Goal 7 related to Water Supply and Sanitation: *Halve by 2015, the proportion of people without sustainable access to safe drinking water and basic sanitation.*
- ▶ Bangladesh committed to achieve the Target of MDG
 - ▶ To achieve MDG, Poverty Reduction Strategy Paper (PRSP) formulated and upgraded recognizing safe water and sanitation as priority agenda

Million Development Goal and Bangladesh

- ▶ **Pro-poor strategy, Sanitation strategy, Sector Development plan approved by the Government to materialize MDG Target**
- ▶ **Bangladesh Government has commitment to ensure arsenic safe water by 2011 and sanitation by 2013**

Access to Water Supply

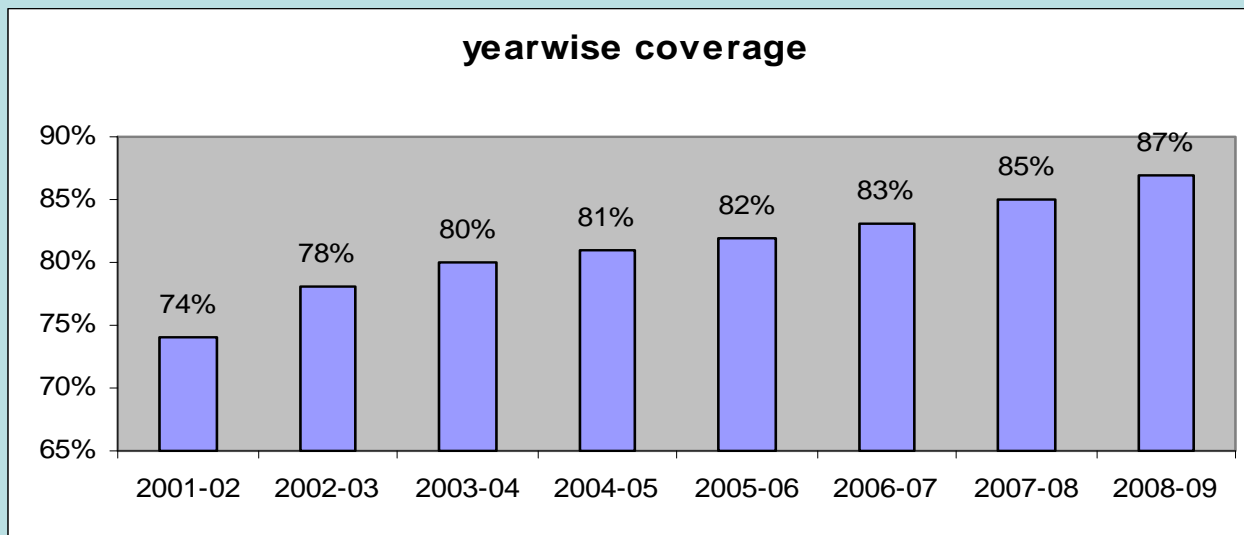
Rural

- **Water supply of Bangladesh based on ground water achieved 97% of coverage in rural areas installing tubewell as low cost technology**
- **Installation of tubewell under private initiatives mostly increase the coverage. About 7.0 million private tubewell installed which is about 7 times greater than public tw.**
- **Arsenic in ground water lowered the safe water coverage at 74% in 2001 and caused great challenge for water supply**

Access to Water Supply

Rural

- To Address the situation in holistic way , Arsenic Mitigation Policy approved and different type of alternate options developed through action research
- Under different development project more than 1.0 lakh safe water options was installed along with 120 village piped water in arsenic affected areas.



Access to Water Supply

Urban

- In urban areas, water supplied through pipe line in core areas and point source in fringe areas
- Ground water mostly used as source for piped supply in some cases with treatment for iron & arsenic. Surface water also used in limited scale with microbiological treatment
- Urban slum provided water mostly through point source and in some cases through community tap

Access to Water Supply

Urban

● The scenario of Piped water supply:

Area	Total Nos.	Piped W/S exist	Piped scheme under implementation
City Corporation	6	6	3 (DPHE)
Municipalities	309	129	148 (Study)

● Achieved 72% coverage against 52% in 2000

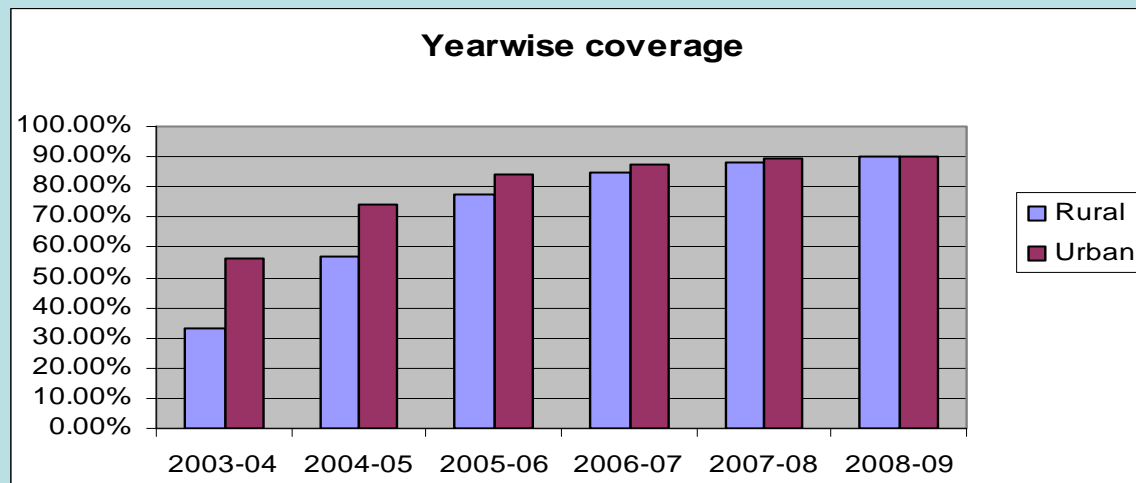
Access to Sanitation

● Sanitation situation of Bangladesh was very critical at the beginning of this century. Government took dynamic initiatives to improve the situation meeting the MDG target:

- National Campaign
- Baseline Survey
- Intervention
- Develop Private Entrepreneurship
- Develop Technological options
- Recognition of the local initiatives
- Monitoring & Evaluation

Access to Sanitation

- **Government, Development partners, NGOs participated in national campaigning for promoting the community to use the latrine**
- **Local Government Institute played the important role and owned the programme. Sanitation coverage increased 87% in rural areas and 90% in urban areas against 28% and 53% in 2003.**



Challenges

- Lack of safe water aquifer in some parts of the country.
- Shallow ground water suffers contamination from arsenic, iron, microbes and salinity.
- Deep ground in the coastal belt contains excessive salinity in some cases.
- Lowering of water table.
- Arsenic removal and sludge treatment

Challenges

- **Poor and landless people have not enough space to construct latrine.**
- **Pit latrine is not suitable for high water table and densely populated area.**
- **Private sector investment is low.**
- **Densely populated area needs costly sewer system.**
- **Assistance from donor for urban sanitation is low and**
- **Lack of adequate funding**

Way Forward

- **Continued political commitment;**
- **Achieve 100% sanitation by 2010;**
- **Address the issue of Urban Sanitation Challenges;**
- **Promote Ecological Sanitation and**
- **Reach all hardcore poor.**
- **Switch on to piped water scheme in rural areas from the point source;**
- **Continued R & D activities for alternative and appropriate technologies for safe water supply putting emphasis on arsenic prone areas;**

Way Forward

- **Increase collaborative effort among the stakeholders;**
- **Increase investment in UWS;**
- **Ensure water quality**

FUTURE INTERVENTIONS for Achieving MDG

DPHE :

Rural Water Supply in South-Western Part of Bangladesh – Approved

- **Special Rural Water Supply Project (2.62 lakh WP)**
- **National Sanitation Project (2nd Phase)**
- **37-District Towns Water Supply, Sanitation and Drainage Project**
- **Water Supply and Sanitation through Pipe Line and Environmental Sanitation in Paurasavas of Thana HQs and Growth Centres Project (2nd Phase)**
- **Cyclone Prone and SIDR Affected Coastal Belt Water Supply and Sanitation Project**

FUTURE INTERVENTIONS for Achieving MDG

- **Water Supply and Sanitation through Pipe Line in Upazila sadar Project (1st Phase 50 Upazila HQs)**
- **Integrated Sanitation development in District Town Poursavas Project (1st Phase)**
- **Establishment of Water Testing Facilities at 9 districts and Monitoring of Water Quality**
- **Establishment of “National Water Supply and Sanitation Information Centre (NAWASIC)” in DPHE.**
- **Safe Water Source Investigation, Monitoring and Observation Throughout the Country Project**
- **Feasibility Study and Project Preparation Study Project for the establishment of Water Supply and Environmental Sanitation Facilities in Char and Haor Areas**

Thanks