



#### **Millennium Development Goals**

- 1. Eradicate extreme poverty and hunger
- 2. Achieve universal primary education
- 3. Promote gender equality and empower women
- 4. Reduce child mortality
- 5. Improve maternal health
- 6. Combat HIV/AIDS, malaria and other diseases
- 7. Ensure environmental sustainability
- 8. Develop a global partnership for development

Safe & sufficient drinking water

Sanitation and good hygienic condition

Efficient storm-water drainage

#### National Policy for Safe Drinking Water and Sanitation, 1998 Specific Goals:

- Making safe drinking water available to each household in the urban areas
- Ensuring sanitary latrine within easy access of every urban hous ehold through technology options ranging from pit latrines to water borne sewerage.
- Ensuring supply of quality water through observance of accepted quality standards
- Taking measures in urban areas for removal of solid and liquid waste and their use in various purposes. Ensuring the use of waste for the production of organic fertilizer (compost) in the rural areas.









Dhaka WASA

# Milestones

- 1963: DWASA started its journey with the mandate to provide water supply, disposal of domestic and industrial sewerage, storm water drainage and solid waste management (EP Ordinance No. XIX, 1963). In spite of broad mandates DWASA mainly dealt with the water supply, treatment and disposal of sewerage since its inception.
- 1989: Storm Water Drainage was transferred to DWASA
- 1996: DWASA was reorganized to introduce Corporate management under WASA Act 1996 under which mandates for water supply, treatment and disposal of domestic and industrial sewage and storm water drainage were entrusted with DWASA. Till now Re-organization is only limited to the top management.







		Dhaka WASA
:DCC area :Outside DCC area :Narayanganj :Total	- - -	360 sq.km 90 sq.km 20 sq.km 470 sq.km
:DCC area	-	110 sq.km (30% of DCC)
:DCC area	-	140 sq.km (38% of DCC)
	:DCC area :Outside DCC area :Narayanganj :Total :DCC area :DCC area	:DCC area - :Outside DCC area - :Narayanganj - :Total - :DCC area -









### Prediction of Population and Water Demand in Dhaka Urban Area

Year	Population (million)	Water Demand (mld)	Shortfall (mld) in comparison with present water supply (1500 mld)
2005	10.06	1999	499
2010	12.27	2485	985
2015	14.93	3050	1550
2020	18.04	3686	2186
2025	21.63	4419	2919

#### **Historical Perspectives**

- Considering the rapid expansion of the city with the high rate of population growth and other infrastructure developments, there would be huge demand for piped water in near future.
- Increasing demand for water supply cannot be met as the ground water abstraction is showing strong signs of rapid depletion.
- A water supply Master plan for the Dhaka city was prepared in 1992 for an area of about 360 sq. km, which has now become redundant as the prediction on population and water demand has been surpassed by huge margin.
- Some ad-hoc measures have been undertaken to meet the growing demand of water supply, mainly dependent on abstraction of ground water which has already reached its optimum level. It appears that no further abstraction is possible as the recharge of ground water is declining very fast.











## Summary

- Since 1971, Dhaka is rapid growing in area and population. The tend will continue in the future. It is a great challenge for DWASA to ensure water of adequate quantity and quality round the year.
- The peripheral rivers have undergone major pollution due to indiscriminate discharge of domestic waste water and industrial effluent.
- The groundwater table is rapidly declining due to large scale abstraction. Therefore, GW is no longer a viable option.
- The peripheral rivers are definitely good source of water if pollution control measures could be implemented. DWASA is working with the support from the World Bank to find ways and means of pollution control in the Dhaka water shed.



# Summary

- DWASA is working in close partnership with NGOs and Community Organisation is managing the water supply situation in the Slum areas. Such cooperation would be extended to other parts of the city.
- A plan for converting Dhaka WASA as a fully corporate body is under active consideration of the government. This would make this organisation a more dynamic entity.

# Thank You