







Current days

- Area: 3,287,590 sq.km (7th largest)
- Population : 1.12 billion (2nd in the world) (70% being rural)
- Population Density : 336 persons/sq. km.
- Largest democracy in the world
- Literacy rate : 64.8%
- Per capita income : US\$ 707
- 25% of population is below poverty line

Climate

- Four official seasons
- Winter (January March) (50-77°F)
- Summer (March June) (90-104°F)
- Rainy or Monsoon (June- September)
- Post Monsoon (October December)

Most of the country's rainfall is due to the monsoons.









House hold and Drinking water (Wells, Bore wells and Taps)





Reasons for water scarcity

Rising demands of increasing population Over extraction of easily available surface and groundwater resources Increasing human impact on the environment and contamination of available water sources

Changing climate

Waste water and Sanitation



Waste water contd..

- Cities account for a production of 29,000 million litres of waste water but there is only a management capacity for 6000 million litres.
- More than 300 cities with a population of and above 100,000 are completely without sewers.
- As of 2003, it was estimated that only 30% of India's wastewater was being treated, with the remainder flowing into rivers and groundwater.
- The sewer system, in the places they are present, are in seriously bad condition and need maintenance, replacement in addition to a great expansion to keep up with the pace of the growing urbanization.

Some more facts

- All the run-off from storm water is discharged as sewage.
- Storm water management was never considered as a serious issue until 2000.
- Advanced water treatment technologies are only limited to highly developed urban cities.
- All the major 18 rivers in India were polluted due to discharges from agricultural, domestic and industrial uses because the effluent is not pre-treated prior to discharge.
- Groundwater is contaminated and depleted day by day.
- Diarrhea alone causes more than 1600 deaths daily.
- 21% of the communicable diseases are water related.

Conclusions

India needs..

- Efficient water management strategies and techniques (Conservation, Reuse and Recycle)
- Awareness in people regarding water management
- Improved water treatment technologies and access to good sanitation and drinking water
- Rainwater harvesting (capture and store rainfall and use if efficiently)
- **** Water and environmental related classes to be offered at the college and university level in all educational institutions.

