



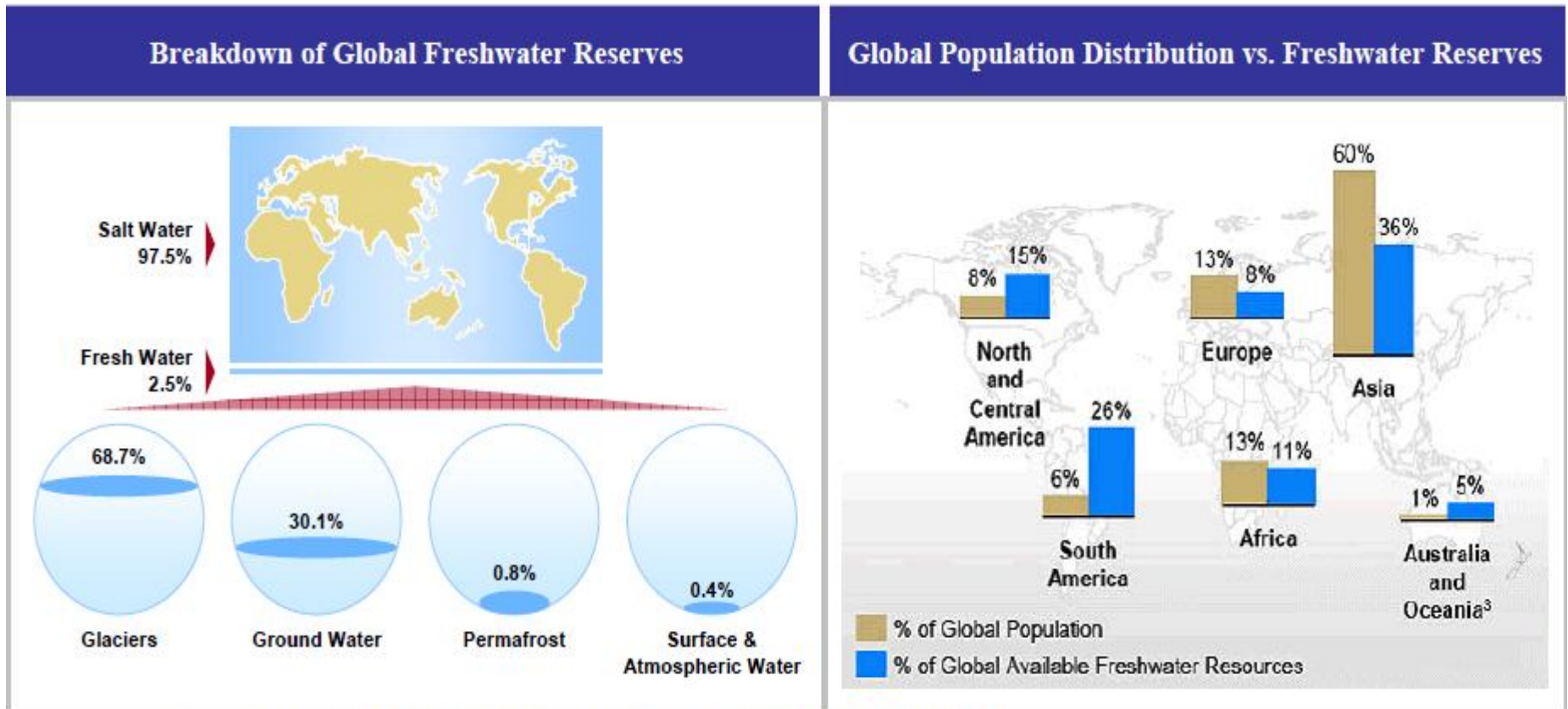
Infrastructure Sector :

Water & Wastewater Treatment Plant



Availability of Water

“ The amount of Fresh water on Earth is Finite. But the demand for water continue to escalate at an unsubstantial rate, fueled by population growth, Climate change and industrial expansion. And supply of clean, portable water and sanitation are among the key challenge of the 21st centuries.”



Source: *World Water Development Report 2: Water, A Shared Responsibility, 2006*
Acumen Business Consultancy Pvt. Ltd.

Water Industry in India

- India with 2.4% of the world's total area has 16% of the world's population; but has only 4% of total water available fresh water.
- The per capita water supply in Indian cities is only 146 liters per day when compared to availability of 500 liters per capita day in the US
- The total planned expenditure for Water Supply and Sanitation is expected to be at Rs. 143,73 crores in Eleventh Five-Year Plan (2007-2012).

Status of Water Supply, Waste Water Generation, and Treatment in Class I Cities / Class II Towns in 2003-04			
	Class I cities	Class II towns	Total
Population (mm)	187	38	225
Water Supply (MLD)	29,782	3,035	32,817
Water Supply (LPCD)	160	81	146
Wastewater Generated (MLD)	23,826	2,428	26,054
Wastewater Generated (LPCD)	127	65	116
Wastewater Treated (%)	29%	4%	27%
Wastewater Untreated (%)	71%	96%	73%

Source: The Eleventh Five Year Plan documents

Water requirement for various sectors						
	Water demand in bcm					
	Standing sub-committee of MoWR			NCIWRD*		
	2010	2025	2050	2010	2025	2050
Sector						
Irrigation	688	910	1072	557	611	807
Drinking Water	56	73	102	43	62	111
Industry	12	23	63	37	67	81
Energy	5	15	130	19	33	70
Total	813	1093	1447	710	843	1180

Source: Ministry of Water Resources, Govt. of India

*NCIWRD-National Commission on Integrated Water Resources Development.

Acumen Business Consultancy Pvt. Ltd.



Municipal Solutions

Drinking Water

Remediation

Residuals Management

Wastewater

Water Reuse and Desalination

Energy and Automation

Water Distribution and Controls

Capital Expenditure on Municipal Water and Waste Water



Source: Global Water Markets 2008

O&M Expenditure on Municipal Water and Waste Water

