

Capacity Building Workshop on Partnership for Improving the Performance of Water Utilities in ASPAC Region

### URBAN WATER DEMAND MANAGEMENT IN IRAN







By: Dr. Reza Ardakanian Director, RCUWM – Tehran

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## Water & Wastewater Indicators of Iran

		1	
Description	Water	Wastewater	
Length of Network (Km)	250,000	25,300	
Treatments Plants	268	65	
Laboratories	295	33	
Number of Personnel	32700		

A total of 139 of wastewater plants are under implementation while 878 others are under study.



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## Water and Wastewater Industry at a Glance (March 2006)

No.	Description	Description Situ				
		Total	68.5			
1	Population (millions)	Urban	46.5			
		Rural	22			
		Lirbon	45.5			
	Population covered by water networks (millions)	Urban	98.2 %			
2		Durol	12.7			
		Nulai	65.3 %			
3		Linkan	12.5			
		Urban	26 %			
	Population covered by Wastewater services (millions)	Durol	0.11			
		Ruiai	0.5 %			
4	No. of Citics and Villages severed	Cities	860			
	NO. OF CILIES AND VINAGES COVERED	Villages	22,000			

## Water and Wastewater Industry at a Glance (March 2006)

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No.	Description	Situation		
		Urban	9.6	
5	Water subscribers (millions)	Rural	3	
		Total	12.6	
		Urban	2.3 * 106	
6	Wastewater subscribers	Rural	2000	
		Total	2.3 * 10 <sup>6</sup>	
7 Conveyance pipe lines (Km)		Distribution Network	196,500	
	Conveyance pipe lines (Km)	Conveyance lines	70,318	
		Max. capacity	9.650	
8	capacity (billion M <sup>3</sup> )	Supply	5.3	



### Water and Wastewater Industry at a Glance (March 2006)

No.	Description	Situation				
9	Water storage	Under Operation	11.6	Billion M <sup>®</sup>		
	-	Total	12.7	Billion M <sup>B</sup>		
10		No.	277	Units		
	Water treatment plants	Capacity	2080	Million M <sup>®</sup> / Yr		
11	Wastewater treatment plants	Number	90	Units		
12	Conveyance pipe lines and Wastewater networks	Wastewater Network	29,500	Km		
13	Water supply units	Rural	734	Units		
14	No of Wastewater operational plants	Urban	202	Cities		
15	No of wastewater studying plans	Urban	130	cities		





# Assessment of major parameters of Water Wastewater Sector until 2025

			_	4 <sup>th</sup> Plan		Projection	
Time Param	Time section Parameter title		Base year	Begin	End	10 years	20 years
i di di di			2004	2005	2009	2015	2025
Predicted	ι	Jrban	43.9	45.2	50.1	56.1	70.0
(in Millions)	I	Rural	21.5	22.7	21.2	21.0	20.5
	Water	Urban	97.7	98.0	100	100	100
Population		Rural	57.5	62.0	88.0	94.0	100
coverage (%)	water	Urban	17.7	24.0	40.0	49.0	60.0
	Waste	Rural	0.45	0.5	8.0	16.0	30.0





Outlook for Water & Wastewater Sector in the next 20 years (2025)

- Achieving an efficient administrative and managerial structure towards the facilitation and improvement of services
- Achieving an equilibrium and protecting the sanitary potable water resources
- Achieving a desirable level of Unaccounted for water in supply, transfer and distribution systems
- Use of advanced technology to achieve proper operations of the water and wastewater installations



Thank you...

Please visit our website for 2006 events Regional Centre on Urban Water Management - Tehran <u>http://www.rcuwm.org.ir</u>