

Adopting Integrated Urban Water Management

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India's Water Sector Scenario

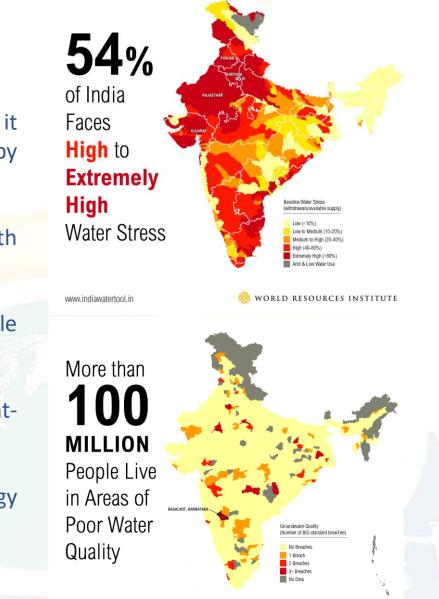
India is blessed with an abundance of water resources and large rivers, but still it is currently facing the terrifying possibility of becoming a water scarce country by 2025.

India is placed at 120th amongst 122 countries in the water quality index, with nearly 70% of water being contaminated

600 million Indians face high to extreme water stress and about 0.2 million people die every year due to inadequate access to safe water

The water requirement by 2050 is likely to be 1,180 BCM, whereas the presentday availability is 695 BCM

Cities are key in addressing climate change through integration of water energy nexus & climate resilience strategies into local development planning.

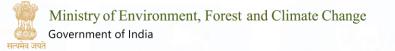


www.indiawatertool.in

INDIAN CITIES AND WATER SECTOR



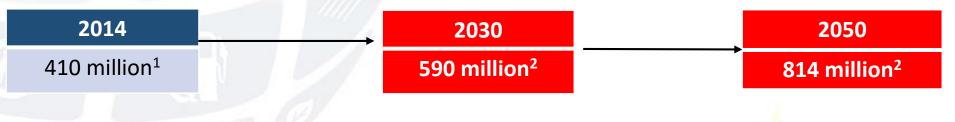








Indian Cities Population



US\$ 1.2 trillion in capital investment required over the next 20 years to meet urban services demand

Equivalent to \$134 per capita per year, almost eight times the level of spending today¹

Climate risks to Indian Cities - heat stress, inundations, water shortages, droughts, environmental health risks and migration to urban areas.



¹ World Urbanisation Prospects 2014 UN Report, ² Mckinsey Global Institute. ³Revi, A (2005).





Background

Most of the cities bring water from distance sources (average 100km – 200 km) resulting in high NRW.

Only 70 per cent of the urban households have access to piped water supply

Though the per capita availability as reported ranges from 90 to 120 liters per day, but no city yet offers continuous water supply

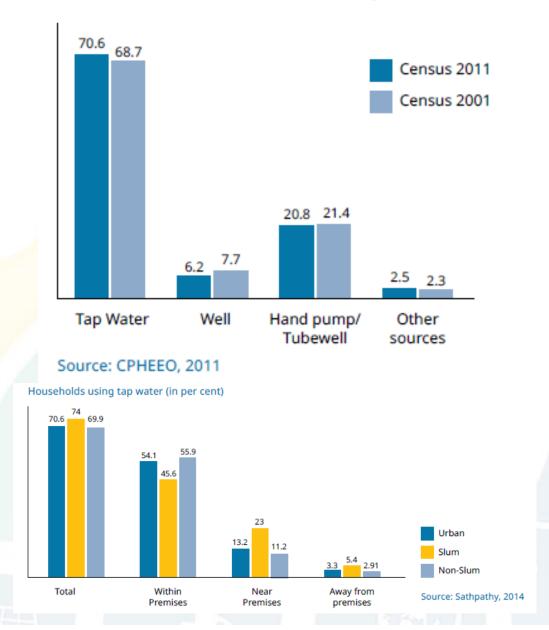
More than 40 percent of water produced in many Indian cities does not earn any revenue

Water and its allied sectors like waste water and storm water drainage sectors work in silos.

Insufficient infrastructure and lack of institutional reform I, impacting the efficiency of urban water sector



Distribution of main source of drinking water (urban)









Key Programmes/initiatives



National Water Mission: Goal 4 - Improving Water Use Efficiency by 20% by ensuring improved efficiency both on the demand side as well as the supply side.

भारत

Rejuvenating the Soul of Urban India





Atal Mission for Rejuvenation and Urban Transformation

ICLEI South Asia's Projects on Integrated Water Management













ICLEI - Local Governments for Sustainability

ICLEI – Local Governments for Sustainability is a network of more than 1,750 local and regional governments, supported by a team of global experts, driving sustainable urban development worldwide.



Who we are

ICLEI is the leading global network **cities, towns and regions**, committed to building a sustainable future, since 1990.



1750+



Towards Sustainable Cities





What we do? How we promote urban sustainability

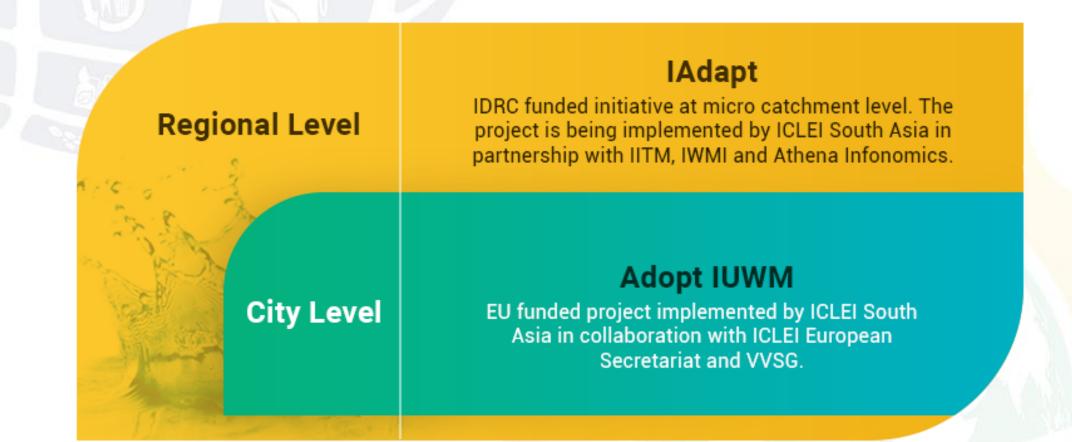
COMMITMENTS UNDERTAKE TACKLE THE MOST MAKE SUSTAINABILITY A PRESSING ISSUES OF OUR TIME TO PROTECT THE PART OF ALL LOCAL AND GLOBAL DEVELOPMENT LONG-TERM INTERESTS OF **CITIZENS** We connect leaders CITIES AND REGIONS LOW EMISSION RESILIENT DEVELOPMENT PATHWAYS EQUITABLE AND PEOPLE-CENTERED We accelerate action CIRCULAR DEVELOPMENT DEVELOPMENT **NATURE-BASED** DEVELOPMENT We provide gateways to solutions FINANCE: SUSTAINABLE **INNOVATION & SCIENCE** SUSTAINABLEGOVERNANCE POLICY OUR POLICY APPROACHES SUSTAINABLE DEVELOPMENT DEVELOPMENT NEEDS & MANAGEMENT: SUSTAINABLE **TO DRIVE GLOBAL DEVELOPMENT IS A** MUST WORK WITH TRANSFORMATION AND FOR ALL **COLLECTIVE EFFORT** MODELS OF FINANCE







ICLEI'S Projects on Integrated Water Management







1. Adopting Integrated Urban Water Management for Indian Cities (AdoptIUWM)

ICLEI Local Governmente

VVSQ



Water resources planning & action plans



Capacity Building and Training









Pilot interventions









Ministry of Environment, Forest and Climate Change Government of India





Integrated Urban Water Management for Indian Cities

Jaisalmer: SWM & Revival of interlinked pond and traditional RWH structure

<image>



Kishangarh: SWM & reduce pollution in the catchment areas of local water

Pilot Interventions in India

Ichalkaranji: :Reducing pollution load on water

Solapur: Ground water recharge







Integrated Urban Water Management for Indian Cities

Outcomes of pilot Interventions

More than 15,00 directConnected more than 30beneficiaries in 4 Indianhouse holds with SBMcities



Trained more than 35 city on IUWM Toolkit



A multi stakeholder platform



Benefited more than 5000 women and school girls in slum areas



Capacity building of more than 80 officials from 4 ULB on IUWM and waste management



Recognized at International Platform & by National Government

Contraction of the local distance	
Richard	MHRD Swachh Bharat Purask Swachh Vidyalaya 2017 - 1
	School Name : G.G.U.P.S. RAJARED
	U-DISE : 08210113408
	Score : 78/91
	Percentage : 85.71%
	Rating : 黄黄黄黄
	Remarks : Very Good
	Category : Water
	Score : 19/22
	Percentage : 86.36%
	Rating :黄黄黄
	Remarks : Very Good
	Category : Toilet
2	Score : 14/19
	Percentage : 73.68%
	Rating : 黄黄黄
	Remarks Good, but there is a scope











IDRC CRDI

Governments





2. Integrated Rural Urban Water Management for Climate based Adaptations in Indian Cities (IAdapt)

To institutionalize climate change adaptation measures through the creation of an enabling ecosystem to adopt and implement IUWM approaches and IWRM approaches at catchment level guided by participatory catchment planning, simple decision support tools, preparation of catchment level action plans and multipronged financing approaches.









3. Integrated Urban Water Management and implementation in Rajasthan cities (Kishangargh & Ajmer)

To build capacity of urban local bodies to mainstream integrated urban water management principal into municipal line function's existing activities and planning process.

- To secure local water bodies by restoration of catchment boundaries of local lakes/water bodies and reducing solid waste dumping.
- IUWM Action plan
- Implementation of the project in Kishangargh and Ajmer City











Thank You!

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