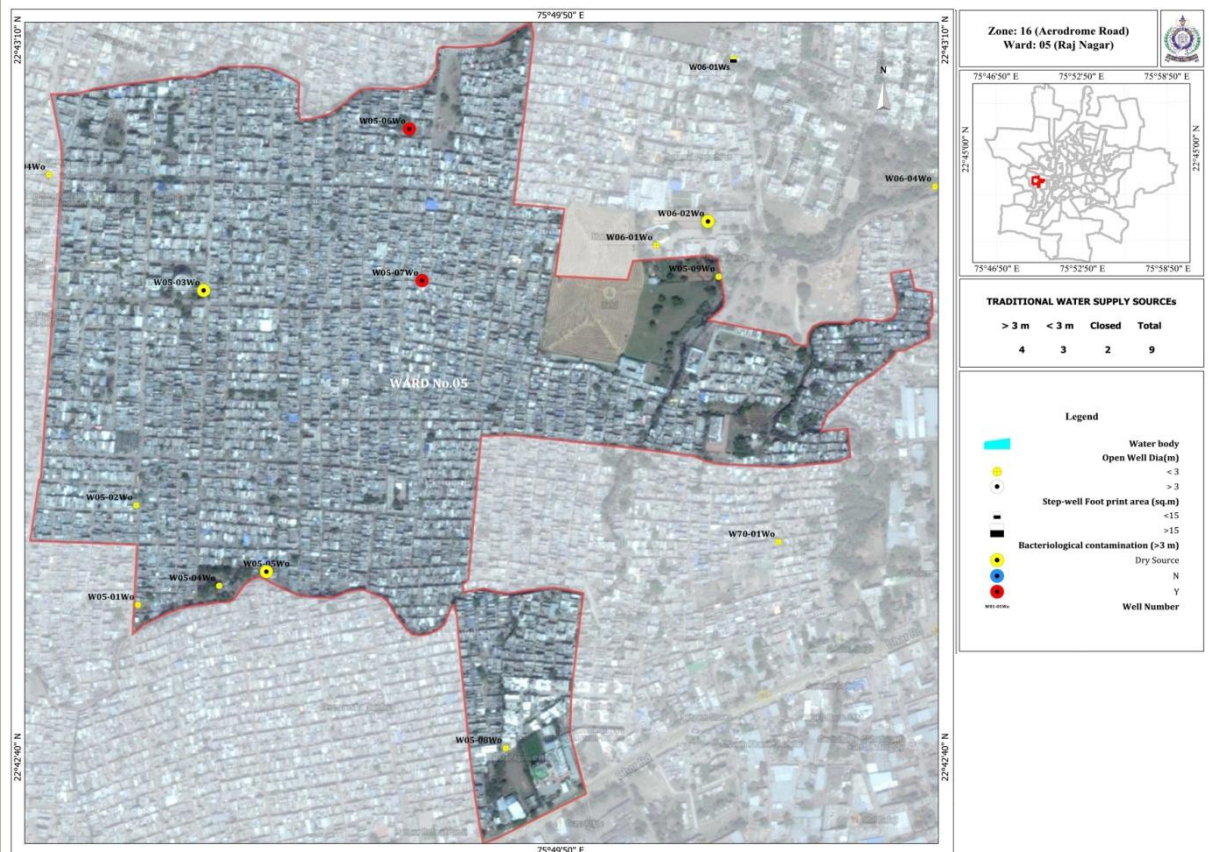


Project under Climate Change Action Programme (CCAP) of MoEFCC, GoI

Project Name/Title: Enhancing Adaptive Capacity to Climate Change through Conservation of Traditional Water Supply Sources (Wells & Bawdies) of Indore City.

Name of the Implementing Institution	<p>Additional Information on the contact detail,: Madhya Pradesh State Knowledge Management Centre on Climate Change (MP SKMCCC), EPCO, Department of Environment, GoMP Paryavaran Parisar, E-5, Arera Colony Bhopal-462016, (MP) India Telephone : +91 755 2466859 Email: epcoccc@gmail.com</p> <p>Project in-charge Mr. Lokendra Thakkar Coordinator MP SKMCCC Mobile: +91-9826377429 Email: lokendrathakkar@gmail.com</p> <p>Start and close date: 2 years, December 2016 – November 2018</p> <p>Website: http://www.climatechangeportal.mp.gov.in</p>
Name of the Executing Institution	<p>Additional Information on the contact detail,: Indore Municipal Corporation (IMC) Jail Road, Netaji Subhash Marg Indore-452001, (MP) India Telephone : +91 731 4236714</p> <p>Project in-charge Mr. Narendra Singh Tomar Superintendent Engineer Indore Municipal Corporation Mobile: +91-74400443314 Email: tomarnarendraind@gmail.com</p> <p>Start and close date: December 2016 – November 2018</p> <p>Website: http://www.imcindore.org/</p>

<p>Details of Project</p>	<ul style="list-style-type: none"> ● Project partners- <ol style="list-style-type: none"> 1. Madhya Pradesh State Knowledge Management Centre on Climate Change, Bhopal Department of Environment, GoMP. 2. Indore Municipal Corporation, Indore, Urban Development and Housing Department, GoMP. ● Project Cost- INR 5.00 Crores ● Project objectives- <ul style="list-style-type: none"> - Developing resilience for Indore city with respect to Climate Change. - Revival/restoration of traditional water bodies and reduce burden of existing water distribution system. ● Project baseline- According to outcomes report on Indore City Resilience Strategy for Changing Climatic Scenarios in association with Asian Cities Climate Change Resilience Network (ACCCRN), Indore has inadequate and unreliable water supply situation, residents supplement their needs via household and community self-supply, installing in-house storage, as well as supply from water tankers and packaged water providers. ● Project expected outputs/deliverables- Project has identified 330 traditional water bodies in Indore and suggests necessary interventions for their revival and restoration, thus, helping in building resilience of the water sector in Indore with respect to climate change.
<p>Project Relevance</p>	<p>Rapid urbanisation and Climate change is acting as an impediment for the urban water systems, thereby hampering the ability to satisfy water needs of populations. Based on the report on Indore City Resilience Strategy for Changing Climatic Scenarios in association with Asian Cities Climate Change Resilience Network (ACCCRN), it was construed that water sector in the city of Indore is vulnerable and through possible interventions, issues like demand-supply gaps, lack of access to water by poor and management of water quality and infrastructure can be addressed.</p>
<p>Project Summary / Abstract</p>	<p>Water supply system in Indore includes multiple service providers, which necessitates an integrated and comprehensive approach to water management for Indore and due to socio-economic disparities, poor are more vulnerable than higher income population. And since traditional water bodies are in derelict state, it increases pressure on ground water extraction.</p>
<p>Project methodology, work plan</p>	<p>The methodology of the project included following:-</p> <ol style="list-style-type: none"> 1) Survey and investigation of traditional water sources of City. 2) Preparation of Ward-wise, GPS location of water bodies and preparing GIS mapping of locations. 3) Current status of water bodies and supply systems. 4) Estimation of cost for renovation and revival of water bodies. 5) Suggestion and recommendation to restore and revive traditional water bodies.



Project Implementation results

- Development of DPR may help in evolving following strategies:-
- 1) Appropriate ward wise GIS data base of existing water bodies along with its status.
 - 2) Assess the effect of level and quality of water in various seasonal variations.
 - 3) Promoting water storage at all levels, creating reliability and security of clean water.
 - 4) Evolving framework for sustainable water management policies.

Project benefits

- **Benefits in terms of vulnerability and risk assessment, adaptation and resilience**
Improving water sector governance may improve the sustainability, reliability and provide equitable outcomes of water provision for Indore. It also envisages determining reasons for poor drainage and impermeable surfaces due to urbanization.
- **Benefits in terms of financial and cost benefits**
It is envisaged that implementation of the project may help strengthening distribution system along with possible sources of leaks and unauthorized connection which could be useful for municipal authority (IMC). The project envisages to benefit approximate 16,500 households who will get direct benefit & IMC can save INR 5.6133 Crore per year eventually, reducing the load on Narmada Water Supply system.
- **Benefits to stakeholders - institutional capacity building, knowledge and networks etc.**
Allow different stakeholders, especially the marginalised communities, to articulate and present their needs, interests and expectations; and develop long-term resilience

	strategies. Besides this, the project would also help in municipal bodies (IMC) to abridge their knowledge gap about the status of ground- and surface-water resources.
Project long term climate benefits	Diversify water supply and promote water storage at all levels, also increasing the awareness among different socio-economic groups about the surface and groundwater uses and conservations.
Project Sustainability	Climate change has both direct and indirect impact on urban/rural water sectors. Enhancing climate change resilience will aid in improving governance in the water sector, thereby creating water systems that are sustainable and equitable to meet the present and future water needs.

