



**Climate Adaptation and Resilience
(CARE) for South Asia Project**

Innovations in Climate Adaptation and Resilience (iCARE)

**Jal Mitra (meaning 'Friend for Water') an application to
connect consumer, vendor and technicians to build
resilience of water infrastructure in India**

Project Name	Jal Mitra (meaning 'Friend for Water') an application to connect consumer, vendor and technicians to build resilience of water infrastructure in India
Lead Organization Name	The Energy and Resources Institute(TERI)
Country of Implementation	India
Summary Description	<p>Infrastructure is being created in rural areas for extraction, treatment, and supply of water, in order to achieve universal access to water as part of UN-SDG -6. Subsequent to creation of infrastructure, its operation, maintenance, and management will be required. This needs special skills, which are generally missing in rural areas. Also, a system will be required for faster redressal of challenges faced by local households. Additionally, sustainability of local water resource need to be ensured, in order to get the households remain connected with the water supply system and the taps do not get dry.</p> <p>To address these challenges related to operation, maintenance, and management of water supply infrastructure as well as for the augmentation of water available within a village, this project aims to create skilled youth force within the Jhansi district of Bundelkhand region of India. Also, the project will develop an IT based platform which may connect relevant stakeholders - consumer, vendor, and technicians, to ensure efficiency of the water supply system and sustainability of universal access to water.</p> <p>IT based platform i.e., a mobile app named "Jal Mitra" (meaning "water friend") will demonstrate the application of information technology for the management of water resources as well as its augmentation, in the rural areas.</p> <p>With its planned objectives, the project will demonstrate the application of information technology for improved service delivery in rural areas, which is especially relevant for developing nations across the world. To achieve universal access to safe drinking water, countries in South Asia and Africa are investing their resources in creating infrastructure for water supply, and project outputs will provide a learning experience for them.</p>
Expected Outcome	<p>IT based platform and skilled youth produced as part of the project will help in improved operation, maintenance and management of water infrastructure, leading to sustainability of access to water. Local communities will be able to enjoy the access to water on a sustainable basis. The app will ensure speedy redressal of issues being faced by rural communities.</p>

Partner Government Agency(ies)	<ul style="list-style-type: none"> ➤ Government of India - To facilitate the discussions with state administration ➤ Government of Uttar Pradesh - To facilitate the discussions with district administration ➤ Districts - Jhansi - Local administration will facilitate the interaction with sub-district officer, facilitate the nomination of youth from local villages for the purpose of skill development. Also, district administration will host the server for the operation of Jal Mitra app.
Project duration	15 Months

Implemented By



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