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Climate Change Adaptation (CCA) measures in industrial areas of Telangana state from India-A pilot study

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The state of Telangana has over 131 Industrial Parks (IPs) areas ranges from 15 to 2500 acres established throughout the state covering various sectors like bulk drugs, pharmaceuticals, agro-processing, cement & mineral-based industries, high precision engineering, textiles, leather, iron & steel, gems & jewelers, biotechnology, defense, etc. As effects of climate change (CC) are already being felt on plants, animals and sectors worldwide, there is an urgent need to build up preparedness for addressing CCA measures in IPs of state which are having different kind of climate variability and are facing a wide range of challenges based on its exposure to climate hazard, vulnerability and adaptive capacity. To implement the CCA measures in one selected IP as a pilot work, consolidated information on climate exposure of all the existing IPs are essential including secondary data like temperature, rainfall, heat wave, drought etc., Initially screening was done and excluded IPs with minor relevance and shortlisted remaining IPs by following step by step screening criteria and certain minimum capacity and capability to adapt to climate change are considered as relevant and suitable. The screening results found that the severity of climate impact experienced by various IPs are different and some of the general problems faced by IPs are water scarcity and excessive temperature along with some localized water logging issues. The knowledge on climate change and its potential impacts are limited and varying with different people. This indicates a need for extensive capacity building on climate change so that adaption measures can effectively be implemented by IPs.

Biography

Rajani Ganta has completed her PhD from Jawaharlal Nehru Technological University Hyderabad (JNTUH), Telangana. She worked as senior Environmental Engineer at Andhra Pradesh industry department for execution of petro corridor project and also worked with World Bank at disaster management project for implementation of cyclone risk mitigation measures at costal Andhra. Currently she is working as Technical Advisor for the CCA project for Industrial Areas Telangana is assisted by the German Government and is being carried out by INTEGRATION Environment and Energy GmbH. She has published more than 10 papers in reputed journals.

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