



CLIMATE CHANGE ADAPTATION FOR INDUSTRIAL AREAS

SITUATION

Climate change poses a growing threat to industrial development. Rising sea levels and extreme weather events such as droughts, heat waves and intensified rainfall are already causing enormous difficulties and considerable losses to economies. This negative impact might become even more aggravated in the future due to the scarcity of water and energy resources caused by climate change.

Currently, there is insufficient awareness in India about the necessity of adapting to climate change. The states of Andhra Pradesh and Telangana have over 350 industrial parks catering mainly to small and medium-enterprises. Many of these industrial areas were set up about two to three decades ago and lack an orientation towards environmental and climate considerations. In order to adjust to actual or expected effects of climate change, adaptive measures are needed.

Lack of information, capacities, and financial resources challenge both the planning and the implementation

of these measures in the industrial areas. Even planning procedures and processes for new industrial areas do not adequately consider climate risks.

Decision makers, planning authorities, industrial area developers, and administrators lack the technical expertise to efficiently cope with climate risks in the existing as well as the new industrial areas. Moreover, official rules, procedures, and planning instruments do not yet provide a sufficient framework for climate change-sensitive industrial development.

Objective

The objective of the Climate Change Adaptation in Industrial Areas (CCA-IA) project is to support key decision makers and planning authorities in both designing climate-resilient industrial areas and improving the already existing ones.

APPROACH

The project aims to help formulate methods, tools, and plans for the development of climate-resilient industrial areas. It also supports the implementation of pilot measures in some selected existing, and new industrial areas in the states of Andhra Pradesh and Telangana. During the process, the staff of the industrial infrastructure corporations receives training in how to respond to climate change with adequate measures for adaptation. Additionally, the project supports organisations and institutions in systematically integrating the concept of climate change adaptation into their processes and structures.

To achieve this objective, the project works in the following four areas:

- Developing methodologies for conducting risk analysis and for integrating the respective results into the planning and decision making.
- Raising awareness for climate-risks and developing capacities for planning and taking decisions accordingly.
- Supporting the mainstreaming of climate change policies within the industry sector and in up-scaling the lessons learnt.
- Supporting the planning and development of climate-resilient industrial areas.

EXPECTED ACHIEVEMENTS

The following results are expected:

- Two state-level government institutions would undertake risk analyses. They would use methodology devised for climate-resilient

development and retro-fitting of industrial areas in their planning processes. These processes and methodologies would then be followed when drafting the rules and procedures.



- Two state governments or private sector organisations would integrate climate adaptation aspects into their strategies and policies regarding the industrial sector.
- One of the selected industrial development agencies would consider climate-risks in at least 50 percent of its planned investments (e.g. land acquisition, development, infrastructure expansion, and retro-fitting of industrial areas) for the financial year 2017.
- Three industrial areas would on a priority basis, implement in their adaptation and development plans, the climate-resilience measures outlined.

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Project name	Climate Change Adaptation in Industrial Areas
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Lead Executing Agency	<ul style="list-style-type: none"> • Andhra Pradesh Industrial Infrastructure Corporation Ltd. (APIIC) • Telangana State Industrial Infrastructure Corporation Ltd. (TSIIC)
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