



SUSTAINABLE AND ENVIRONMENT-FRIENDLY INDUSTRIAL PRODUCTION (SEIP-II)

SITUATION

Growth in the industrial sector is one of the key aspects that affect the development of a country. The Indian government is aiming for industrial growth rates of 12 to 14 % and has the vision of increasing the manufacturing industry's contribution to the country's gross domestic product to 25 % by 2025 and creating 100 million jobs. Unfortunately, industrialisation in India, has so far been environmentally incompatible, taking place at the expense of the environment and biodiversity. Every year, several billion tons of solid waste and hazardous waste are generated that are not properly treated and disposed of. In this dynamic environment, a key challenge is to achieve economic growth that benefits all citizens and does not compromise the environment.

The extent to which India's growth can be made environmentally compatible will be of crucial importance for the country's sustainable development and for the global climate. Enormous risks exist in terms of impacts on biodiversity, surface waters, soils, groundwater, resource use, intensification of climate

change and social conflicts due to the locations chosen for industrial development. Although India has comparatively modern environmental legislation, its technical, organisational and personnel capacities at all levels of environmental administration show considerable shortcomings. As a result, polluters lack a central incentive to invest in environmental protection measures and efficient, environmentally and climate-friendly industrial development is hampered.

Objective

“The strategic and operational governance structures of the Indian Government to effectively combat water pollution from industrial wastewater are strengthened”. The aim of the project is the promotion of sustainable industrial development in the urban sphere by reducing industrial wastewater pollution through strengthening of strategic and operational governance structures including framework conditions for regulating, implementing and monitoring.

APPROACH

The Sustainable & Environment-friendly Industrial Production (SEIP-II) is a joint project with the Ministry of Environment, Forest and Climate Change (MoEFCC) within the framework of the Indo-German Technical Cooperation. The focus is on strengthening the implementation capacity of MoEFCC and downstream authorities, such as CPCB, to define and effectively enforce environmental requirements for industry, particularly in the field of wastewater. The project aims to strengthen environmental sustainability in industrial production processes by avoiding and controlling industrial wastewater. The project promotes legislative and enforcement procedures aimed at preserving the competitiveness of the economy. Further, the module aims to effectively limit environmental degradation through increasing industrialisation by strengthening state control and incentive mechanisms to limit industrial effluents.

The project activities are grouped into the following areas:

- strengthening of legal framework;
- strengthening of organisational structures and processes;
- strengthening of incentive mechanisms;
- strengthening of knowledge products; and
- promotion of resource efficiency (RE) and sustainable consumption & production (SCP)

The project activities build on the impacts achieved in the previous project and strengthens the strategic and operational governance structures of the Indian government to effectively combat water pollution from industrial wastewater at the national level. At the organisational and sectoral level, the project focus is on (further) development of implementation instruments and procedures and strengthening the implementation capacity of MoEFCC and downstream authorities, such as CPCB, to define and effectively enforce environmental requirements for industry, particularly in the field of wastewater. The project will be active in Uttarakhand, Bihar and West Bengal.

EXPECTED ACHIEVEMENTS

The project is expected to improve urban and industrial environmental protection and infrastructure in urban areas, especially regarding environmental and climate aspects, as well as improving the living conditions of the poor urban population. The project aims to achieve the following results amongst others:

- Four standards (e.g. laws, directives or technical regulations) to combat industrial water pollution have been updated at national level
- Three ready-to-use, ICT-based knowledge, data and information management system for industrial wastewater pollution avoidance are available to employees of relevant public bodies.
- Eight knowledge products (4 Handbooks, 3 good practices document, 1 ICT portal) are nationwide available to public bodies.
- Five additional incentive mechanisms to promote sustainable industrial production by companies or industrial area administrations (focus on wastewater management) are agreed by the stakeholders.
- Three symposiums are held with 80 representatives of all states on the nationwide application of institutional improvements and measures.
- Three ready-to-use guideline documents of how to combat and abate industrial wastewater pollution at source are available to industrial areas and the industrial development agencies in selected States (Uttarakhand, Bihar, West Bengal).



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Project Name	Sustainable and Environment-friendly Industrial Production (SEIP-II)
Commissioned by	Federal Ministry for Economic Cooperation and Development (BMZ), Government of Germany
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Lead Implementing Agency	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
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Webpage	www.giz.de