

THE PARTNERS

In a joint effort the cooperation partners of the Indo-German Project of “Development of Eco-Industrial Estates in Andhra Pradesh” pursue the following major tasks to attain the envisaged outcomes:

GTZ (German Technical Cooperation)

- technical support (preparation of feasibility report, EMP, Disaster Management Plan)
- training of stakeholders
- support in establishing cooperation among stakeholders

CPCB (Central Pollution Control Board)

- overall planning and coordination
- technical assistance with GTZ for conduct of studies

APPCB (Andhra Pradesh Pollution Control Board)

- responsible for pollution control in the state
- coordination at local level with APIIC
- identification of team for planning and implementing EIE strategy

APIIC

(Andhra Pradesh Industrial Infrastructure Corporation)

- developer of industrial estates in the state
- assistance of local/overseas experts
- close work with local municipalities
- facilitate networking of industries in the estate management of common business services



▲ An existing industrial estate

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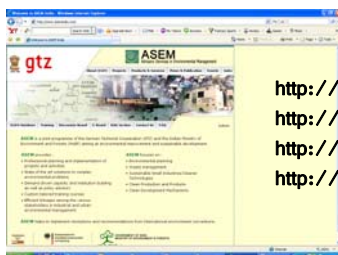
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WEB RESOURCES



<http://www.asemindia.com>

<http://www.cpcb.nic.in/>

<http://www.appcb.org/>

<http://apiictd.com>

Eco Industrial Estates



A holistic, sustainable
path of
development

Brochure, Nov.06, CS



SCENARIO

India's industrial rise is closely accompanied by a mounting problem of pollution and the destruction of natural resources. Counting more than 1200 industrial sites around the country, the siting remains haphazard and not based on any prior environmental planning. Loose agglomerations of companies, limited common facilities and services and uncoordinated housing in these areas account for extensive environmental damage to the environment.

As a consequence there is a strong need for designing industrial estates according to appropriate site master plans and environmental rules with adequate infrastructural services. In an equal measure, networking processes between close-by companies are to be fostered to realize synergies and resource efficiency.

To ensure that industrial siting may not have adverse impacts and that natural resources are conserved, the Central Pollution Control Board (CPCB) in cooperation with the Indo-German Environment Programme "Advisory Services in Environmental Services (ASEM)" led by GTZ supports the Andhra Pradesh Industrial Infrastructure Corporation (APIIC) and the Andhra Pradesh Pollution Control Board (APPCB) in developing model Eco Industrial Estates (EIE).



▲ Waste site at an existing industrial estate

OVERALL GOAL

The overall goal of developing EIE is to ensure sustainable design and management of industrial estates. The EIE concept is based on a community of companies working together to create synergies by sharing resources and know-how that are greater than the sum of individual benefits.



▲ Mapping of potential EIE in the state of Andhra Pradesh

SCOPE OF WORK

In the pilot project the existing industrial estates of IDA Nacharam and IDA Mallapur as well as the new site of the special economic zone (SEZ) Visakhapatnam are covered.

Existing Estates of Nacharam and Mallapur

The existing estates face the major problems of heavy pollution and lack of basic infrastructural facilities. Therefore, the scope of work puts special emphasis on

- Estate Planning (Planning for vacant plots, geographical information system)
- Infrastructure and Services (roads, drain, wastewater treatment, hazardous waste management, green belts)
- Capacity building for stakeholders (industries, responsible for industrial estate management)

New Site at Visakhapatnam

Developing a new industrial site requires a consolidated strategy right from the conception phase to ensure proper planning and sustainable development. Within the framework of a feasibility report and Environmental Management Plan the following issues are approached:

- Site suitability assessment for industries according to environmental and resource base considerations
- Assessment of development needs
- Generation of layout plans including pollution abatement infrastructure, green belts and disaster management plan
- Identification of state-of-the-art manufacturing processes for grouping industries in an intelligent way
- Provision of common treatment plants of effluents, common business services, hazardous waste management

KEY OUTPUTS

Through the development of three industrial conglomerates in Andhra Pradesh as Eco Industrial Estates the partners provide a platform for more effective development of policies and regulations. The platform is mutually used by industrial and environmental management for dialogue with state and local governments. Moreover, the development of EIE will benefit workers directly and residents of surrounding areas indirectly as working and living conditions are improved.

With the proper development of the new site at Visakhapatnam environmental risks are reduced thus contributing to sustainable development. The implementation of EIE directly benefits the participating industries: By joint utilization of infrastructure, resources and by-products cost can be cut, productivity is enhanced and the environmental impacts are reduced.

- EIE -

***Competitive, yet harmonious
with the environment***