



Planning of New Industrial Parks and Investment Zones

Country: India Overall Term: March 2012 to February 2015

Implementing Agencies: GIZ (Deutsche Gesellschaft fuer Internationale Zusammenarbeit GmbH) of the German Federal Ministry for Economic Cooperation and Development (BMZ) and the Ministry of Environment and Forests (MoEF) of the Government of India

Context

The industrial sector is one of the most important sectors of the Indian economy. From the growth of industries individually or in small clusters, to more organised industrial estates, the trend today is development by way of special industrial zones, investment regions and manufacturing zones, and even mega industrial corridors. To add to the on-going industrialisation, the Government of India has announced a National Manufacturing Policy (November 2011) which is aimed at enhancing the share of manufacturing in GDP to 25% within a decade and creating 100 million jobs.

Large scale industrial development is seen inevitable for India and if not properly planned, it poses tremendous risks on natural resources and environment, as well as poses social risks. There is a need for preparation of environment-friendly Development Plans or Site Master Plans for the manufacturing zones or the industrial parks. This requires integration of clean/green/energy efficient and environment-friendly technologies. This requires further clarification on what are the clean/green/energy efficient and environment-friendly technologies and what are the guidelines and standards that are to be considered while preparing the Development Plans or Site Master Plans.

While planning for environment friendly development of such industrial parks and investment zones, there is a need to take into consideration the other relevant policies and legal provisions too. For example, the National Action Plan on Climate Change has relevant missions for planning of new industrial parks or manufacturing zones, viz. National Solar Mission, National Mission for Enhanced Energy

Efficiency and National Water Mission. Also, the Environmental Protection Act, 1986 has set mandatory environmental clearances processes for new industrial estates and has also set environmental standards that are to be complied with.

The core topic on planning of new industrial parks and investment zones has focus on proper planning of new industrial parks/investment zones integrating environment-friendly aspects and sustainability concepts.

Objective

The overall objective of the technical cooperation on the core topic of “Planning of New Industrial Parks and Investment Zones” is to demonstrate innovative planning and designing of a new industrial park or upgrading of an existing industrial park by incorporating the aspects of resource efficiency, integrated environment monitoring, management structures of eco-friendly production and gender-sensitive infrastructure design, and to support the national/state level stakeholders in considering the results in new strategy paper/guidelines of the government and/or industry associations.

The pilot activities are focused in the states of Gujarat and Andhra Pradesh.



Creatively designed green industrial parks are the way of the future.

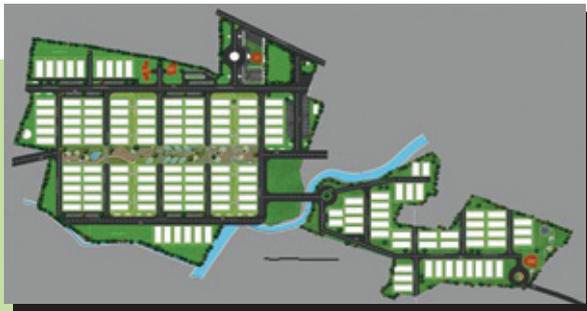
Approach

The core topic on “Planning of New Industrial Parks and Investment Zones” has the following approach:

- Baseline surveys and situation analysis is undertaken on planning of new industrial parks and investment zones in India to assess the current status and the core issues to be addressed.
- Pilot areas are strategically identified in selected states and solutions implemented on demonstration basis, addressing the identified core issues.
- The experiences of the pilot examples are documented and their actual replication is targeted in different industrial areas of different states.
- Stakeholder consultations are taken up throughout the project phase and learnings and solutions are targeted to be incorporated into policies, planning processes and guidelines.
- Capacity building and knowledge management activities are undertaken simultaneously.

Activities

In line with the adopted approach, IGEP takes up baseline survey and/or situation analysis on planning of new



- Waste management in Vapi Industrial Estate in Gujarat.
- Waste recycle/reuse in ALEAP Industrial Park, Gajularamaram near Hyderabad in Andhra Pradesh.

Stakeholders’ consultations are facilitated through workshops at national/state/local levels and information on eco-friendly industrial parks is shared and exchanged. Policy dialogues will also be undertaken for development of nationally and locally relevant standards, rules and policies.

Building knowledge base on eco-friendly industrial parks and development of capacities at various levels underline all the above-mentioned activities.

Feedback from the pilot measures and practical experience will be guided into the formulation/review of policy guidelines (standards, rules, policies etc.) at national/state/local level.



Industrial units ensconced in green spaces.

industrial parks and investment zones in India. Based on this, appropriate pilots are planned and implanted in these sectors in selected areas to demonstrate and generate knowledge on environmentally-sound planning of industrial parks and up-gradation of existing industrial parks.

The pilot interventions include:

- Site Master Plan for Green Industrial Park of Association of Lady Entrepreneurs of Andhra Pradesh (ALEAP).
- Development Plan for Dholera Special Investment Region in Gujarat.
- Environmental improvement of existing industrial parks of the Andhra Pradesh Industrial Infrastructure Corporation Ltd. in Andhra Pradesh.

Upscaling and replication of these demonstrated technologies and experiences is expected to take place under full responsibility of the partners. IGEP coaches the process and offers technical assistance if required. The programme also advises on how to monitor the impact of the up-scaled development measure.

Expected Results

- Industrial estate development agencies better plan new industrial parks/investment zones by integrating sustainability aspects.
- Design of new industrial parks serve as nation-wide models.
- Reference documents are developed to support environment-friendly site master planning of new industrial parks.

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