



Training on Site Master Planning of Sustainable Industrial Parks



Duration:
19 – 21 February, 2019

Venue:
Mandap, Jaypee Vasant Continental Hotel
New Delhi



Background

The industrial sector is an important contributor to the Indian economy. The industrial areas and the industrial investment regions in their new form have started assuming important role in the country's development. However, if not properly planned, industrial development has potential to pose tremendous risks on natural resources, environment, and people. Proper planning of the industrial areas can result in increased overall competitiveness and profitability of the residing businesses, lower emissions and pollution, increase resource and energy efficiency and offers an overall healthier working environment that helps in meeting the targeted investment and employment goals.

Properly prepared site master plans for industrial areas are a must for achieving the desired economic targets as well as the required efficiencies in the industrial parks. Site master plans are not just layout drawings, as are being conceived many times, but are a set of thematic layers and systematically developed plans with an integrated approach and quality consciousness.

For supporting the preparation of site master plans for industrial areas, under the "Sustainable and Environment-friendly Industrial Production" (SEIP) project of the Indo German Development Cooperation, GIZ has developed tools and methods. These include:

- Sustainability Standards, which are a set of quality parameters such as economic quality, environmental quality, social quality, management quality, infrastructure and services quality and legal compliance quality that act as benchmarks for site master planning.
- Guidelines for Site Master Planning, which detail out steps and elaborate case examples on Technical aspects as well as procedures and processes.
- Game of Zones, a tool box which helps in interactions with stakeholders and needs assessments of provisions in the site master plan.
- Standardised TORs, which help in engaging consultancy services for site master planning.

GIZ was involved in developing site master plans for a few sites in India. GIZ has been involved in developing the International Framework for Eco Industrial Parks that has similar standards specified and now the authorities of the 13,000 sq.km. Eastern Economic Corridor of Thailand have announced that they would adopt the international framework for planning the economic corridor. GIZ had conducted several trainings and workshops in last 2 years India on site master planning.

GIZ is organising a 3-day training programme on "Site Master Planning of Sustainable Industrial Areas" during 19 – 21 February, 2019 in New Delhi.



Objective of the Training

The objective of the 3-day training programme is to provide knowledge and skills on site master planning of industrial areas.

The training will provide improved knowledge and skills on:

- Improved site selection for industrial estates.
- Site Master Planning of industrial estates integrating multiple quality criteria to match international standards.
- Improved planning and designing of basic infrastructure in industrial estates.
- Retrofitting strategies for existing industrial estates.
- Application of Sustainability Standards for industrial estates.
- Strategic thinking for organizational development of their organisations

Dates and Venue

The 3-day training programme is scheduled for 19 – 21 February, 2019 at Mandap, Jaypee Vasant Continental Hotel in New Delhi. Programme schedule is attached.



Key Contents of the Training

- Sustainability Standards and international benchmarks for site master planning of industrial areas
- Site Master Planning of new sites and existing industrial areas – approach, tools, design concepts, visualization, international case examples
- Implementation of site master plans
- Interactive sessions, and practical work

Target Group for the training

The training programme is suitable for the technical professionals, managers, policy makers, and academicians responsible for following roles:

- Site selection for industrial parks/ estates
- Site master planning of industrial parks/ estates
- Development of industrial parks/infrastructure
- Management of industrial estates

Total number of expected participants: Upto 25



Expected outcome of the training

- Technical professionals involved in preparing site masters will be better equipped with knowledge and tools.
- Managers and policy makers from authorities involved in developing new industrial areas or retrofitting the existing industrial areas have good understanding of the planning steps involved and of the site master planning requirements.
- Academicians have the opportunity to gain new knowledge
- All the participants have the opportunity to interact with German expert, technical professionals involved in planning and officers from authorities. Improved site selection for industrial estates.

Key takeaways for participants

- Participation certificate
- Case study documents (in soft copy)
- Presentations and reference material (in soft copy)
- Sustainability Standards for Industrial Parks in India
- Guidelines for Sustainable Site Master Planning of Industrial Areas
- Booklet on Digital Information System for Industrial Estates

About the Trainer: Mr. Olaf Mumm from Institute of Sustainable Urbanism, Technische Universität Braunschweig, Germany

Mr. Olaf Mumm is an architect-planner by profession and is a Senior Researcher at the Institute for Sustainable Urbanism (ISU) / Research Institute for Sustainable Urbanism (RISU), Technische Universität Braunschweig, Germany. In addition to his regular teaching responsibilities at master level, he has experience in training professionals and semi-professionals in the field of urban planning.

In addition to working for DSE / InWent (Bonn / Berlin) from 2000-2006 and the Swiss Development Cooperation Mekong Region (Hanoi) from 2003-2004, Mr. Mumm was the co-founder of the Urban INDEX Institute (UII) in Darmstadt before joining the Institute for Sustainable Urbanism.

Mr. Mumm is also involved at the Institute for Sustainable Urbanism, e.g. in direct exchange with the DGNB, which is a partner in numerous research projects of the ISU. In addition to research, Mr. Mumm also coordinates the activities of the university cooperation. Together the ISU develops approaches for new evaluation systems - based on the DGNB system - which can already be used in the design phase.

In the course of his research and work at the Institute for Sustainable Urbanism, Mr. Mumm has been dealing with current trends and projects in the field of urban development. The applied methods as well as the analysis of the respective projects are of central importance.

More information: sustainableurbanism.de



About GIZ

The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is an enterprise owned by the German Government. The German Federal Ministry for Economic Cooperation and Development (BMZ) is the main funding agency. GIZ's registered offices are in Bonn and Eschborn and is operating in some 120 countries with over 19,500 employees. As a provider of international cooperation services for sustainable development and international education work, GIZ is dedicated to building a future worth living around the world. GIZ has over 50 years of experience in a wide variety of areas, including economic development and employment, energy and the environment, and peace and security. In 2016, GIZ's business volume was EUR 2.4 billion. As a public-benefit federal enterprise, high values and principles are central to GIZ's work, including transparency and accountability. This makes GIZ a reliable service provider that people can trust. Together with its partners, GIZ works to deliver flexible, technically sound and cost-effective solutions that offer better prospects.

In India, for over 60 years, GIZ has been working jointly with partners in India for sustainable economic, ecological, and social development. The focal areas of Indo-German cooperation currently are:

- Energy
- Environment, Climate Change and Biodiversity
- Sustainable Urban and Industrial Development
- Sustainable Economic Development

The SEIP Project is a part of the focal area of Sustainable Urban and Industrial Development. The project works on significant environmental problems of national importance related to industrial waste water and waste management for which technical solutions and business/management models can be showcased with positive results and direct impact on improving the environmental conditions at the selected sites. Further on, the cases can serve as models that can be taken up on much larger scale subsequently. States selected for this project are Uttarakhand, Gujarat, and Delhi.

Details of the SEIP project is available at www.seip.urban-industrial.in.

For further information, please contact:

Ms. Alokandana Nath, alokandana.nath@giz.de, Contact: 011 – 49495353 ext: 1162

For registration and confirmations, please contact:

Ms Riti Samanta, riti.Samanta@giz.de , Mob: 8447935759



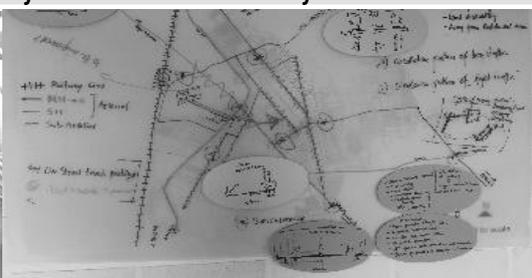
Training Schedule

DAY 1 – TUESDAY , 19 FEBRUARY, 2019		
Time	Topic	Speaker
9.00 – 9.30	Registration and tea/coffee	
9.30 – 9.35	Welcome	Ms. Riti Samanta, GIZ
9.35 – 9.45	Opening remarks	Mr. Raghu Babu Nukala, Project Director, SEIP, GIZ
9:45 – 10.00	Introduction to “Sustainable Environment-Friendly Industrial Production (SEIP)”	Ms. Alokanda Nath, GIZ
10.00 – 10.20	Round of introduction and expectations	All
10.20 – 10.30	Introduction to the workshop structure and contents	Mr. Olaf Mumm, R/ISU
MODULE 1: SUSTAINABLE PLANNING		
10.30 – 11.00	Sustainable Planning: Context and key principles	Mr. Olaf Mumm, R/ISU
11.00 – 12.00	Feedback Session: Needs and Challenges in India (Tea/Coffee to be served)	All
12.00 – 13.00	Sustainable Planning: International rating systems	Mr. Olaf Mumm, R/ISU
13.00 – 14.00	Lunch break	
14.00 – 14.30	Workshop: Sites, Plans and Visions – Current practice in India	All
14.30 – 15.00	Sustainable Planning: Analysis and Evaluation	Mr. Olaf Mumm, R/ISU
15.00 – 15.30	Workshop: Requirements and Conflicts in India	All
15.30 – 16.00	Sustainable Planning: Indicator-based planning	Mr. Olaf Mumm, R/ISU
16.00 – 16.15	Tea / Coffee Break	
16.15 – 16.45	Workshop: Stakeholders and Processes in India	All
16.45 – 17.15	Sustainable Planning: Strategies and Processes	Mr. Olaf Mumm, R/ISU
17.15 – 17.30	Wrap-Up Day 1 and Outlook for Day 2	Mr. Olaf Mumm, R/ISU



DAY 2 – WEDNESDAY, 20 FEBRUARY, 2019

Time	Topic	Speaker
9.00 – 9.30	Arrival and Tea/coffee	
MODULE 2: INTERNATIONAL BEST PRACTICE – I. PLANNING + DESIGN		
9.30 – 10.30	CASE STUDIES: I. Greenfield 1. Lüne Delta, Bremerhaven (Germany) 2. Vietnam-Singapore Industrial Parks (Vietnam)	Mr. Olaf Mumm, R/ISU
10.30 – 11.15	Feedback session: Key features and impact	All
11.15 – 12.00	CASE STUDIES: II. Transformation 1. Chemical Park, Bitterfeld-Wolfen (Germany) 2. CleanTech Park Jurong, Singapore (Singapore) (Tea/Coffee to be served)	Mr. Olaf Mumm, R/ISU
12.00 – 12.30	Workshop: SWOT Obstacles and Potentials	All
12.30 – 13.00	Participatory Scenario Development	Mr. Olaf Mumm, R/ISU
13.00 – 14.00	Lunch Break	
MODULE 3: INTERNATIONAL BEST PRACTICE – II. NETWORKS + INNOVATION		
14.00 – 14.30	Inputs from Indian cases	Mr. Digbijoy Bhowmik, KPMG
14.30 – 14.45	Discussion	All
14.45 – 15.30	Rethinking Industrial Sites: Industrial Symbiosis and Urban Factories (Tea/Coffee to be served)	Mr. Olaf Mumm, R/ISU
15.30 – 16.15	Workshop: Lessons learned – Transferability of sustainable practices to India	All
16.15 – 16.30	Tea/ Coffee break	
16.30 – 17.15	Plenary Session: Discussion of workshop outcomes	Mr. Olaf Mumm, R/ISU
17.15 – 17.30	Wrap-Up Day 2 and Outlook for Day 3	Mr. Olaf Mumm, R/ISU





DAY 3 – THURSDAY, 21 FEBRUARY, 2019

Time	Topic	Speaker
9.00 – 9.30	Arrival and Tea/coffee	
MODULE 4: WORKSHOP SUSTAINABLE DESIGN + PLANNING STRATEGIES		
9.30 – 10.00	Introduction to Workshop – Strategies + Goals	Mr. Olaf Mumm, R/ISU
10.00 – 10.15	Introduction to sites and forming of teams	All
10.15 – 11.45	Industrial site 2.0 - Phase 2 Developing sustainable visions and preliminary spatial design strategies (Tea/Coffee to be served)	Teams
11.45 – 12.15	Plenary session: Project pitch; Discussion	Teams, All
12.15 – 13.00	Industrial site 2.0 - Phase 3 Problem identification + integration	Mr. Olaf Mumm, R/ISU
13.00 – 14.00	Lunch Break	
14.00 – 14.30	Interim presentation: Masterplan, Milestones and Strategies; Discussion	Teams, All
14.30 – 15.15	Industrial site 2.0 - Phase 4 Plot strategies and policies on a timeline	Teams
15.15 – 16.00	Plenary session: Final Presentation, Discussion	Teams
16.00 – 16.30	Tea/ Coffee break + Market Place of ideas	Mr. Olaf Mumm, R/ISU
16.30 – 17.00	Project Assessment: Evaluation and Monitoring	Mr. Olaf Mumm, R/ISU
17.00 – 17.15	Concluding discussion	All
17.15 – 17.30	Final wrap-up and closing	Mr. Olaf Mumm, R/ISU

Deutsche Gesellschaft für
Internationale Zusammenarbeit (GIZ) GmbH

Registered offices
Bonn and Eschborn

Sustainable and Environment-friendly
Industrial Production
B-5/1, First Floor, Safdarjung Enclave
New Delhi – 110029, India

T +91 11 4949 5353
E nukala.raghu@giz.de
I www.giz.de

Responsible:
Nukala Raghu Babu, New Delhi

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Alokananda Nath, Riti Samanta, New Delhi

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