

Workshop on 'Climate Change Adaptation Plan in Industrial Estates of Gujarat'
December 15, 2011, Ahmedabad

A workshop on 'Climate Change Adaptation Plan in Industrial Estates of Gujarat' was organized by the Centre for Environmental Planning and Technology (CEPT) and GIZ on December 15, 2011 at Ahmedabad (Gujarat). The purpose of the workshop was to share the outputs and to take feedback on the study 'Climate Change Adaptation Plan and Interventions for Naroda Industrial Estate (Ahmedabad)', taken up on pilot basis under the GIZ project on "Up-scaling Community Based Approaches to Climate Change Adaptation". The workshop had about 40 participants from the Naroda Industrial Estate, academic & research institutions, experts etc.

During the Inaugural Session, Prof. Utpal Sharma, Dean Faculty of Planning and Public Policy welcomed all the participants and provided brief on CEPT's activities related to the Industrial area planning and management. The inaugural speech was delivered by Dr. S.K. Nanda, Principal Secretary, Department of Forests and Environment, Govt. of Gujarat. He said that there was need for 4Cs for addressing climate change adaptation - 'Clean Production', 'Clean Technology', 'Carbon Neutrality' and 'Conservation of ecology'. He stressed on the need for increasing green cover in the industrial areas and suggested that right kind of trees such as Neem and Mango should be chosen as they have multiple benefits such as dust catching capabilities, carbon sink, air purification etc. He also stressed on the other strategies for Industries including the water conservation and usage of renewable energy such as solar energy (PV/Thermal) and wind energy.

Mr. D.K. Brahabhatt, Senior Manager from the Gujarat Industrial Development Board made a presentation on the planning of special investment regions (SIR), particularly the Dholera SIR. He informed that there are about 180 Industrial Estates developed by GIDC and about 60 SEZs have been planned in Gujarat. He also explained on the efforts undertaken for integrating the climate change concerns in the planning of large industrial areas like the Delhi-Mumbai Industrial Corridor, Dholera Special Investment Region (SIR) etc.

The key note address on 'The Durban Climate Negotiation: Implications for Industries and Industrial Estates' was delivered by Prof. P.R. Shukla, Professor of the Public Systems Group from the Indian Institute of Management, Ahmedabad. He provided insight on the climate change negotiations concluded in the Durban during the previous week and gave an elaborate presentation on the emerging architecture of the climate change regime beyond 2012. He also stressed the need to integrate the understanding of the mitigation and adaptation in the industries and industrial areas to address climate change issues.

Mr. N. Raghu Babu, Senior Technical Advisor of GIZ (ASEM) briefed about the various on-going and planned activities of GIZ in Industries and Industrial areas in Gujarat and Andhra Pradesh and the pilot efforts on climate change adaptation. Mr. Sunil Parekh, Strategic Advisor of Jubilant Group and Advisor of Zydus Cadila, has provided the perspective of the industries towards climate change and also stressed on the government support needed to carry forward adaptation measures in Industries.

During the Technical Session, Prof. Ashwani Kumar (Faculty of Planning, CEPT) provided the overview of the study on 'Climate Change Adaptation for Naroda Industrial Area' including the multi-disciplinary concept, approach, step-wise process, developed methodology and the consultation process that was taken up during the course of work. The study components for profiling, assessments and planning that had focus on land use, physical vulnerability to hazards (erosion, floods, temperature rise etc.), vulnerability of

industries, environmental vulnerability and socio-economic vulnerability, were also discussed.

The topic on 'Hazard Assessment in Naroda' was presented by Prof. Vishal Dubey (Faculty of Planning, CEPT) and Prof. Tushar Bose (Faculty of Infrastructure Engg. and Management, CEPT) explaining the topographic and physical conditions of Naroda Industrial Estate (NIE), which are causing the flood and heat stress related risks. The presentation on 'Environmental Management and Industrial Emissions in NIE' was made by Prof. Minal Pathak (Faculty of Climate Change, CEPT). She said that while the industries appear to have high awareness on issues related to climate change and environmental management, the main barrier for taking up implementation is the lack of know-how and access to proven technology. The topic of 'Socio-Economic Vulnerability Assessment' was covered by Dr. Anil K. Roy (Faculty of Planning, CEPT). He said that while Naroda Industrial Estate is presently at the urban fringe, but soon it is expected to be surrounded by population. The community around NIE presently lacks basic amenities and the facilities related to water, sanitation, housing etc. and that the problems would become worse with climate change. He said that the improvement of the basic amenities and training to enhance their livelihood would be right strategies to reduce the overall socio-economic vulnerability.

The landuse related issue and the landuse management possibilities were discussed by Prof. Urvi Desai (Faculty of Climate Change, CEPT) in her presentation on 'Landuse Plan Interventions from Climate Change Perspective'. The presentation on the 'Landscape Interventions for Climate change Adaptation perspective' by Prof. Saurabh Popli (Faculty of Landscape, CEPT) showcased the pilot intervention integrating various climate change concerns with appropriate planning and designing.

The presentation on "Cleaner Production Initiative in Gujarat" was made by Dr. A.K. Rathi, Head (Anchor Institute, CEPT) and the presentation on "Eco-industrial Park : Experiences and Challenges in India" was made by Dr. R. Gopichandran, Principal Research Scientist from the Environment and Climate Change Research Wing of the Gujarat Energy Research & Management Institute (GERMI).

A poster presentation on the study results was made by CEPT for the participants to have closer look to the results and discuss with faculty members involved in the study. CEPT will make changes to the study based on the feedback received from the discussions during the workshop.

Attachment:

Programme Schedule
Presentations