

PROGRAM SCHEDULE

TUESDAY, APRIL 28

- 9:00-9:30 Registration
- 9:30-10:30 Inaugural Session
- 09:32 **Welcome Address:**
Dr.A.Navaneetha Gopalakrishnan, Director, Centre for Environmental Studies, Anna University Chennai
- 09:37 **Presidential Address:**
Dr.P.Mannar Jawahar, Vice-Chancellor, Anna University Chennai
- 09:47 **Inaugural Address:**
Mr.Roland Friedrich Hermann, Consul General German Consulate Chennai
- 09:57 **Key Note Address:**
Mr.M.Sankaranarayanan, Deputy Advisor (PHEE), CPHEEO, New Delhi.
- 10:12 **Felicitations:**
Dr.Ing. Martina Scheer, Managing Director of Engineering Consultants Scheer and Coordinator, Indo-German Water network
- 10:22 **Vote of Thanks**
Mr. Reinhard Tandler, Managing Director, Tandler.com.

10:30-10:45 Tea

I PLENARY SESSION

10:45-12:30 **Focal point: Development in Water and Wastewater Infrastructure Projects**

- 10:45 Dr.Martina Scheer, Chair person of Indo-German Water network, Germany
- 11:10 Dr. Ing. Wolfgang Gunther, University of the Federal Armed Forces Munich, Germany
- 11:35 Dr.S.Sundaramoorthy, Consultant, Creative Environment Consultants
"Recent Developments in Water and Wastewater Infrastructure Projects"
- 12:00 Dr.Vijay Joshi, Managing Director, IL&FS, Chennai -
"Some Recent Developments in Public Private Partnership in Municipal Water Supply in India"
- Discussion

12:30-14:00 Lunch

II PLENARY SESSION

14:00-15:30 **Focal point: Sewerage Systems and Wastewater Treatment**

- 14:00 Mr. T. Vasanthkumar, AGM (Process & Technology), M/s.VATECH WABAG, Chennai - "Planning of Sewerage Systems and Wastewater Treatment Systems"
- 14:25 Mr.V.Sivakumar, Chief Engineer (Retd.), CMWSSB and Consultant, Tamilnadu Water Investment Company Limited, Chennai -"Planning of Sewerage Systems"
- 14:50 Dr.Martina Scheer, Chairperson of Indo-German Water network, Germany -
"Planning of sewerage systems with regard to environmental and operational aspects"
- Discussion

15:15-15:45 Tea

III PLENARY SESSION

15:45-17:00 **Focal point: Maintenance Strategies, Benchmarking**

- 15:45 Dipl.-Ing. Karin Sprengard, University of the Federal Armed Forces Munich -
"Maintenance strategies of Water and Wastewater Systems and Benchmarking as a Process of Comparing"
- 16:10 Mr.S.Elangovan, Chief Engineer, CMWSSB, Chennai - "Maintenance Strategies of Water Supply System"
- 16:35 Mr.N.K.Kuttiappan, M/s.LVK Enviro Consultancy, Chennai -"Maintenance Strategies of Wastewater Treatment Plants"
- Discussion

WEDNESDAY, APRIL 29

IV PLENARY SESSION

09:30-11:00 **Focal point: Water Treatment and Water Recycling Strategies**

- 09:30 Dr.S.Mohan, Professor in Civil Engineering, IITM, Chennai-36 -
"Wastewater Recycling Strategies"
- 09:55 Mr.R.Pannirselvam, Former Executive Engineer (TWAD) and Visiting Faculty, CES - "Decentralized Wastewater Treatment for Municipalities"
- 10:20 Dipl.-Ing. Ralf Minke, University of Stuttgart, Institute for Sanitary Engineering, Water Quality and Solid and Management -
"Planning of Water Supply and Wastewater Disposal Systems - Centralized and Decentralized Solutions"
- Discussion

10:45-11:00 Tea

V PLENARY SESSION

11:00-12:45 **Focal point: Biogas and Biomass**

- 11:00 Dr.Martina Scheer, Indo-German Water Network, Germany -
"Optimized Biogas Production from Wastewater of Sugar Cane Industry"
- 11:25 Dr.S.Subramani, Director, M/s.Enkem Engineers, Chennai-10 -
"Biogas Production from Wastewater Treatment"
- 11:50 Dr.S.Rajamani, CLRI, Chennai - "Recent Developments on Anaerobic Digestion and Bio Energy Generation from Liquid and Solid Waste"
- 12:15 Dr.R.Sethumadhavan, Professor, Institute of Energy Studies, Anna University Chennai - "Energy from Biomass - Challenges Ahead"
- Discussion

12:45-13:45 Lunch

VI PLENARY SESSION

13:45-15:45 **Focal point: "Planning Tools for Economic Design of Sewerage and Water Supply Strategies"**

- 13:45 Mr.Reinhard Tandler, M/s.Tandler.com Ltd., Germany -
"IT based Planning, Simulation and Operation of Sewerage and Water Supply Networks"
- 14:10 Mr.Arivazhagan, Director, Ram Caddsys, Chennai -
"Requirements on Modern IT based Planning Tools and Resulting Benefits"
- 14:35 Dr.K.Thanasekaran, Professor, CES, Anna University -
"Simulation of Sewerage and Water Supply Networks"

Discussion

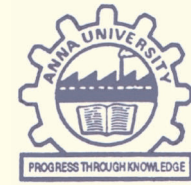
15:00-15:30 Tea

VII OPEN HOUSE

Panel Discussion and Recommendations:-

- 15:30-16:30
- Mr.Vikram Kapur, I.A.S., Member Secretary, CMDA, Chennai - Chairman
- Dr.A.Navaneetha Gopalakrishnan, Director, CES, Anna University Chennai - Member
- Dr.J.Bischoff, Programme Manager, GTZ ASEM, New Delhi - Member
- Dr.K.Thanasekaran, Professor, CES, Anna University Chennai - Member
- Mr.Dirk Walther, Visiting Faculty, CES, Anna University Chennai - Member
- 16:30-17:00 **Interactive Session with Industry**

ANNA BIRTH CENTENARY YEAR



ANNA UNIVERSITY & INDO-GERMAN WATER NETWORK

Workshop on

"STRATEGIC PLANNING FOR WATER SUPPLY AND WASTEWATER MANAGEMENT"



in collaboration with
German Technical Cooperation



Venue: CES, Anna University. Date: 28-29 April 2009

About the workshop

Workshop on “STRATEGIC PLANNING FOR WATER SUPPLY AND WASTEWATER MANAGEMENT” is organised in collaboration with ‘Centre for Environmental Studies’ Anna University, Chennai, INDO-GERMAN Water Network and GTZ. This workshop addresses one of the most crucial issues related to infrastructural development in the urban sector. Strategic Planning in the field of water supply and waste water requires close interactions among multiple stakeholders from planning, executive to administrative level. The workshop discusses present strategies with respect to design, operation and maintenance of water supply and wastewater system and it looks at the possibilities of integrating new approaches into the current practices in India.

Area of discussion

- Sewerage systems and wastewater treatment
- Maintenance strategies, benchmarking
- Water treatment and water recycling strategies
- Biogas and biomass
- Software solution for economic design of sewerage and water supply networks

About Indo-German network

INDO-GERMAN WATER NETWORK was initiated during the bilateral talks between the Indian Department of Science and technology (DST) and the German Ministry for Education and Research (BMBF) in September 2008, to develop strong partnerships for future collaboration in research and development. The network emphasizes on the need for applied sciences as a tool to bring scientific research into practice.

It is a German research network in the area of water supply and wastewater systems and environmental technologies. INDO-GERMAN WATER NETWORK covers a deep and broad portfolio of experience, ranging from research activities to highly application-oriented solutions and their implementation. The network currently takes part in the campaign “India and Germany – Strategic Partners for Innovation”, that is supported by the German Federal Ministry of Education and Research and the Indian Department for Science and Technology.

About Centre for Environmental Studies, Anna University

Centre for Environmental Studies (CES) in Anna University Chennai is a leading Institution in India with strong international footprint and has made significant contribution in environmental education, research and extension activities for the past 50 years. With well qualified faculty and state-of-the art laboratory facilities as its main strengths, the CES has produced well trained environmental engineers and scientists who occupy key positions in the environmental field. Every year, about 60 engineers and scientists are graduating from CES, with Master’s level specialization in environmental engineering, science and management.

In addition, need based specialized training programmes are organized for in-service engineers in Government Departments and industries. CES has produced about 600 Public Health / Environmental Engineers who are working in different Departments / Boards in State bodies such as TWAD Board, CMWSSB, PCB and Industries and across

the globe. Also, more than 3000 middle levels engineers have been trained in Public Health Engineering through a Training Programme of CPHEEO, Ministry of Urban Department and more than 200 engineers were trained in additional programmes.

Currently Centre for Environmental Studies accommodates 15 Faculty Members, 13 Non-Teaching Staff, 160 PG students, 40 Ph.D. Scholars and 28 Project Staff.

About German Technical Cooperation Environmental Programme (GTZ-ASEM)

India and Germany agreed that environmental management is an important area in the framework of bilateral development co-operation. Environment is one of the most important areas in the Indo-German bilateral relations, especially in areas where Germany has comparative advantage with focus on knowledge transfer, technology transfer, exchange of experiences and demonstration projects. To enhance the success of the previous joint work, the German Agency for Technical Cooperation (GTZ) and the Ministry of Environment and Forests of the Government of India (MoEF) decided to work in a structure called Advisory Services in Environment Management. The structure is within the scope of the bilateral negotiations between the Republic of India and the Federal Republic of Germany held on September 5, 1996 in pursuance of the Agreement of 31 December, 1971 between the two Governments regarding Technical Cooperation as amended by the Arrangement of 8th February/1st March 1979.

The aim of Indo-German Cooperation during 2009 to 2012 with the focal area as Environmental Management is to make common contributions to the achievement of the MDGs and implementation of the international environmental conventions (UNFCCC, UNCCD, UNCBD) with focus on strengthening India’s developmental efforts, intensifying partnerships between India and Germany, establishing linkages and partnerships between German and Indian institutions and sustainable urban and industrial development by working towards delinking economic growth from resource consumption.

Foundation Members

German Foundation Members



Engineering Consultants Scheer



ISWA - University of Stuttgart



BayIND - Bavarian-Indian Centre



tandler.com - Environmental Informatics Ltd.



University of the Federal Armed Forces Munich

Official Indian Partners



Ram Caddsys Pvt. Ltd

Civil Engineering Software Consultant