

PREAMBLE

Two thirds of the earth's surface is covered by water and the human body consists of 75 percent of it. It is evidently clear that water is one of the prime elements responsible for life on earth. Water quality is under increasing pressure from demographic and climatic changes. Treatment processes play a key role in delivering safe, reliable supplies of water to households, industry and agriculture, and in safeguarding the quality of water. The rising demand for water to meet the requirements for agriculture, industry, hydropower, municipal and rural water uses, and environmental flows has presented a challenge for the planners and water managers to strike a balance between demand and supply of water. The short term course AWTT aims to bring together water quality researchers, scientists, engineers, and urban planners to exchange and share their experiences, new ideas, and research results about all aspects of water treatment and discuss the practical challenges encountered and the solutions adopted through the presentation and discussion.

COURSE HIGHLIGHTS

The short term course Advanced Water Treatment Technologies (AWTT) will focus various treatment processes of water and to develop trained manpower to undertake complex works of water treatment scientists, technologists and engineers with the skills to solve practical problems, communicate effectively and work successfully both in teams and individually. At the end of the course, the participants will not only appreciate the conventional problems but will also gain knowledge on emerging treatment technologies. Topics to be covered can be broadly summarized as

- **Fundamentals of water treatment**
- **Sedimentation**
- **Coagulation**
- **Filtration**
- **Disinfection**
- **Other special treatment methodologies**

TOOLS

- **Classroom lectures by experts**
- **Site visit of water treatment plant**
- **Laboratory experience**
- **Interaction by participants**

VENUE

The short term course AWTT will be held from 19TH October 2016 to 21ST October 2016 at National Institute of Technology, Rourkela, Orissa, India. National Institute of Technology Rourkela was founded as Regional Engineering College, Rourkela in the year 1961. It is a prestigious Institute with a reputation for excellence at both undergraduate and postgraduate levels.

INTENDED ATTENDEES

Engineers from Government organizations/ industries, architects, urban planners, environment consultants and NGOs with interest in the theory, practice and policy of urban water management.

IMPORTANT DATES

Last date of receipt of application form 17TH October 2016

Notifications of participants 18TH October 2016

Course duration **19TH October 2016 to 21ST October 2016**

ACCOMODATION

A limited number of rooms with twin sharing accommodations will be available in the Guest House / Visitors' House of the NIT Rourkela at a very reasonable charge. No TA/DA will be provided.

REGISTRATION FEE

Registration fee is free

PATRON

Prof. R. K. Sahoo

Director, N.I.T., Rourkela

COORDINATOR

Prof. (Mrs.) K. K. Paul

Prof. S. P. Singh

CORRESPONDENCE

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NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

TEQIP II Sponsored

SHORT TERM COURSE

ON

ADVANCED WATER TREATMENT TECHNOLOGIES

19TH October – 21ST October 2016

[REGISTRATION FORM]

(Please fill in capital letter)

Name: Mr. / Ms./Dr.

(First Name) (Middle Name) (Last Name)

Sex(M/F):

Institute:

Mailing Address:

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.....

Phone: (Office): (Residence).....

Fax: Email:.....

Highest qualification.....

Accommodation required (Yes/No)

Accommodation may be required provided to availability of institute guest house on prior request

Date:

Signature:

Forwarded through H.O.D. /Institute

SHORT TERM COURSE

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by



**Department of Civil Engineering
National Institute of Technology
Rourkela**

