

PREAMBLE

In recent years, Gujarat state has witnessed large expansion on hydrological data collection network under World Bank funded hydrology project (2002-12). It has large database of surface and groundwater data across the state which has been maintained through State Water Data Centre. Hydrological data management is important for not only to provide accurate information on floods and droughts, but also forecasting water resources scenarios under climate change conditions. This 1-day workshop aims to create awareness among practitioners, researchers, academicians, and students about the hydrological database, and demonstrate their applications for field level design, implementation and management.

WORKSHOP OBJECTIVES

The followings are the broad objectives:

- Demonstrate hydrological data collection procedure
- Application of hydrological modeling system and water information system
- Application of hydrological data in rainfall analysis, climate change studies, flood modeling, hydrological atlas, decision support systems
- Establishment of purpose driven hydro-meteorological networks for small watersheds

COURSE STRUCTURE

- Use and applications of hydro-meteorological data
- Applications of hydrological data for flood forecasting
- Applications of hydrological data for basin level decision support system
- Hydrological data for modeling and mapping using GIS
- Hydro-informatics for data retrieval and data validity
- Study visit to hydro-meteorological network
- Economic and social aspects of water resources development

POSTER SESSION FOR STUDENTS

A poster session for registered students from engineering colleges of Gujarat on the theme of hydrology and water resources has been arranged. Students having innovative and original ideas can prepare a poster of A₀ size (840mmx1190mm) and bring with them. Best three posters will be awarded a prize and citation.

CORE EXPERT MEMBERS

Dr (Mrs) Kamaljit Ray, Director, Indian Meteorological Department, Ahmedabad
Dr-Ing Anupam K Singh, Professor, Department of Civil Engineering, PDU Gandhinagar
Dr AK Lohani, Scientist, National Institute of Hydrology, Roorkee
Dr T I Eldho, Professor, Department of Civil Engineering, IIT Bombay
Dr RK Singh, Professor, Department of Civil Engineering, ITM University Gurgaon
Mrs Shital T Shah, Professor, PIET Waghodia, Vadodara
Mr MK Dixit, Superintending Engineer, State Water Data Centre, Gandhinagar
Mr AG Shah, Assistant Engineer, State Water Data Centre, Gandhinagar

In addition, senior officers from Government of Gujarat will be contributing for selected thematic issues.

SCHEDULE AND IMPORTANT DATES

The total seats available in the workshop are limited to 90 participants, and they are available as first-cum-first get basis. Registration is compulsory for all participants; indicate clearly in case you will take part in poster presentation competition.

Last date for receipt of registration: 18 April 2012

In case of queries, use following contacts:

Registration: Mr Shailesh Patel (09909421043),
Mr Gaurav Gupta (09724872633)

Poster session : Mr Sarang Pande (09586936117)

Logistics : Mr Mohnish S Thakur (09601666546), Mr Anuj Parihar (08140276944), Mr Akash Shukla (09558983802)

REGISTRATION FORM

1-Day Workshop on

Hydrological Data Management in Gujarat:
Present State and Trends
21 April 2012
Department of Civil Engineering
Pandit Deendayal Petroleum University Gandhinagar

1. Name (Mr/Ms/Prof)
 2. Designation
 3. Institution / Organization
 4. Mailing address
 - Telephone (O)
(with STD code) (R)
E-mail
 5. Qualifications
 6. Experience (on water, climate, environment)
- Signature of the applicant
- Place Date

CERTIFICATE (for students)

It is certified that Mr/Ms is a student of BTech/ MTech/ PhD program at our institute and has been granted permission to attend above workshop on 21 April 2012 at PDU Gandhinagar.

Date Signature

Place (Authority)

LODGING AND BOARDING

Few rooms in PDPU Guest house (A/C, non-A/C rooms) in the campus will be made available on payment as per actual and with an advance request.

WORKSHOP FEES/ REGISTRATION FEES

There is no registration fee in the workshop as entire event is being funded by Government of Gujarat, Department of Water Resources, Narmada and Kalpasar. Address all your communications to:

Prof Dr-Ing Anupam K Singh, Professor in Water Engineering & Head, Department of Civil Engineering
Pandit Deendayal Petroleum University (PDPU)
Raisan, Gandhinagar-382 007
Email: anupam.singh@gmx.net or anupam.singh@sot.pdpu.ac.in

It is to be noted that the number of seats for the workshop are limited to 90 and selection will be on first-come-first get basis.

ABOUT PDPU GANDHINAGAR

Pandit Deendayal Petroleum University (UGC recognized) has been established by the Gujarat State Legislative Act in 2007 with the intent to nurture a world class talent pool of professionals in an academically stimulating research environment. The University promotes pedagogical excellence, research, training and consultancy in the specialized domains of Engineering & Technology, Management and Liberal Studies. The University has established academic alliances with leading American and Canadian Universities to facilitate industry-oriented research, knowledge sharing and faculty-student exchange programs.

Department of Civil Engineering at School of Technology offers conducts undergraduate course in civil engineering and doctoral program in Geotechnical, Water and Environment Engineering divisions. We are making strong links with government and industry to support them through our professional expertise present at Department of Civil Engineering.

ABOUT STATE WATER DATA CENTRE

Government of Gujarat under World Bank funded Hydrology Project (2002-12) established State Water Data Centre (SWDC) at Gandhinagar. The Centre aims to archive and disseminate the hydrological data to various users groups. It has facilities to store, retrieve, validate and test data related to rainfall, discharge, groundwater, and water quality in the state of Gujarat. In addition, it stores meteorological data collected by State and Central agencies for the state of Gujarat. SWDC supports activities to spread awareness for proper utilization of hydrological information by various stakeholders such as engineers, designers, planners, industry, government, non-government and researchers.



WORKSHOP SCHEDULE

21 April 2012 (Saturday)

- 9:00 to 9:45hr Registration/ High Tea
- 9:45 to 10:30hr Inauguration Function
- 10:30 to 10:45hr Session-I Hydrology Project
- 10:45 to 11:30hr Session-II Hydro-meteorological data (panel)
- 11:30 to 12:00hr Session-III Designing a hydrological network
- 12:00 to 13:30hr Session-IV Case Studies/ Data Users
- 13:30 to 14:30hr Lunch Break/ Poster Evaluation
- 13:30 to 13:45hr Film on HDUG Opinions
- 13:45 to 17:00hr Study visit to hydro-meteorological station
- 17:00 to 17:15hr Distribution of certificates/ Prizes

Photo: Pandit Deendayal Petroleum University Gandhinagar main entrance

1-Day Workshop on

Hydrological Data Management in Gujarat:
Present State and Trends

21 April 2012

Coordinators:
Dr-Ing. Anupam K Singh
Mr M K Dixit

Organised by:

Department of Civil Engineering
Pandit Deendayal Petroleum University
Gandhinagar- 382 007 <http://www.pdpu.ac.in/>



Sponsored by:

State Water Data Centre (SWDC) Gandhinagar.



Hydrology Project



Gujarat Government



World Bank