



National Workshop

GROUND WATER CHALLENGES IN INDIA

13th January 2018

Organized by
INC of IAH-Indian Chapter of
International Association of Hydrogeologists, Faridabad
In Association with SOS in Geology & WRM Pt RSU, Raipur

Venue
Pt. Ravishankar Shukla University
Raipur (Chhattisgarh), India

Preamble

International Association of Hydrogeologists (IAH) is providing a platform for the ground water professionals, academicians and researchers to exchange their views since 1956. With its widespread network of over 40 National Chapters operating in different countries across the globe, members are sharing the scientific knowledge and current advances in the domain of ground water. The Indian Chapter of IAH (INC-IAH) was established in 1984. The INC of IAH with its presently elected body for 2017 & 2018 have made sincere efforts and organizing various scientific activities and promoted information, education, communication in groundwater.

In this series it has been decided that INC of IAH will organise a National Workshop on “**Groundwater Challenges in India**” realizing the importance of the subject regarding to food and water security in India and as well as in world. Being the largest consumer of groundwater in the globe, India face unique challenges unparallel to any other parts of the world. These challenges are owing to its (i) diverse hydrogeological conditions (ii) Un-uniform distribution of resources (iii) varied requirements under diverse agro-climatic zone (iv) over and under utilization of resource (v) groundwater quality and health issues including its pollution (vi) rapid increase in competitive demand with shrinking per-capita availability of groundwater. India has been identified as *groundwater based civilization* as 85% of its rural and half of urban drinking water comes from groundwater abstraction and about 60% irrigation depends on groundwater utilization in the country. Further industries are having competitive demand on it. Over extraction of groundwater in many parts of the country has even been manifested in drying of water bodies/streams or converting them from perennial to non-perennial. Irrigation is the single largest user of groundwater and thus having the maximum potential of effective conservation and efficient use. Deteriorating groundwater quality due to anthropogenic cause, particularly from solid and liquid waste disposal, need to be addressed vigorously to safeguard our citizen health and country's economy. Policy intervention, political will, and infrastructural necessity may take a long way ahead the present aspiration of managing our groundwater resource wisely. The conscious decision to organize the Annual National Workshop in “Chhattisgarh a developing State” is taken to decentralize the activities of INC-IAH and bring new thoughts. Our association with the School of Studied in Geology and Water Resource Management, Pt. Ravishankar Shukla University, Raipur for organizing the event is a sincere effort in this endeavour.

Objective

The objective of this one day workshop is to create a platform for interactions amongst different stakeholders like Government organizations, Research Institutes, industries, NGOs, Voluntary organizations, Individuals, to express their views and experiences on “**Groundwater Challenges in India**” and better understand the hard rock areas. The workshop will provide an ideal platform and opportunity to the water fraternity to deliberate and interact with the experts and stakeholders on this workshop.

Important dates of Paper submission

- Submission of Abstracts- 31st December 2017
- Intimation of acceptance of abstracts-5th Jan 2018

PATRON

The abstract should not exceed 350 words. The full paper should include Title, Authors affiliation, abstract, 5 key words and full paper content in MS Word. The full paper is to be kept within 5 pages. The submission of paper is only through e-mail- arunmuk102@gmail.com

Theme

The theme of the workshop is “**Groundwater Challenges in India**”.

The Sub themes are:-

- Emerging Groundwater Challenges in India
- Role of groundwater in countries economy.
- Sustainable Use of Ground Water for irrigation in India
- Water use efficiency and conservation of groundwater resource
- Groundwater quality and its protection and health issues in India
- Groundwater related opportunities and challenges in Chhattisgarh & MP

Programme

There will be three Technical sessions besides the Inaugural and Valedictory session. The tentative programme is:-

0930-1000 hrs- Registration

1000-1030 hrs- Inaugural session

1030-1045 hrs- Tea Break

1045-1215 hrs- Technical session-I

1215-1330 hrs- Technical session-II

1330-1415 hrs- Lunch Break

1415-1545 hrs- Technical session-III

1545-1630 hrs- Panel Discussion

1600-1645 hrs- Tea Break

1645-1730 hrs- Valedictory session

Hydrogeological Excursion (14 -15 Jan 2018)

A post conference hydrogeological excursion has been planned to famous “**Kotamswar Karst limestone Caves of Baster**” in collaboration with **National Cave Research & Protection Organization**. A series of karst limestone caves occurs in the Mesoproterozoic Kanger limestone of Indravati Group, Bastar district, Chhattisgarh adjacent to Orissa board. These pristine caves are still preserved in its natural conditions due to the conserved natural environments of the area. Apart from all varieties of cave structures and deposits the cave is habitat of biodiversity including blind fish. Carbon dating of burnt wood and gains from cave dated 5000 years old to show the evidence of use of cave since long. Cave structure here has been subjected to climate change study for recent geological past. The Kotamswar Cave is situated 340 km south of Raipur and can be approached through all weather roads. The historic town of Jagdalpur is 40 kms away, having all modern facilities of leaving. January is winter for Jagdalpur and the mean temperature remains between 05 and 20°C. Luxury coaches will be arranged for road travel from Raipur to Kotamswar Cave via Jagdalpur. All interested participant are requested to book for excursion earliest to plan us suitably. Rs 3000 will be charged for travel and boarding per head excluding lodging. The lodging will be extra according to choice. For details contact- Dr A.Mukherjee, e-mail : arunmuk102@gmail.com, Ph-09968805450

Sh K. C. Naik, Chairman, CGWB

ADVISORY COMMITTEE

Dr D.K.Chadha, President, INC-IAH
Shri G.C.Pati, Member, CGWB, Faridabad
Prof M.W.Y.Khan, SOS Geology, Pt RSU, Raipur
Prof. L. Elango, Vice President, INC-IAH
Sh Subrata Kunar, AGM, RITES, Gurgaon

Dr Arabind Mitra, Head, IC, DST, New Delhi
Prof Sarita Sachdeva, MRIU, Faridabad
Prof Pradeep Sikdar, IISWBM, Kolkata
Sh Sunil Kumar, RD NGI,CGWB, Raipur

TECHNICAL COMMITTEE

Dr Dipankar Saha, Secretary, INC-IAH
Dr Rashid Umar, AMU, Aligarh
Dr Abhijit Mukherjee, IIT, Kharagpur
Dr Ashok Kumar, CAIRNS India, Gurgaon
Dr Shashank Shekhar, Delhi University, Delhi
Dr Sudhanshu Shekhar, CGWB, Faridabad
Dr Arunangshu Mukherjee, MRIIRS, Faridabad
Dr. M.A.Farooqi, CGWB, Bangalore
Shri. Ranjan Kr Ray, CGWB, Faridabad

ORGANIZING COMMITTEE

Dr Shakeel Ahmed, NGRI, Hyderabad
Dr. D. C. Jhariya, NIT Raipur
Dr A.G.S.Reddy, NGI, CGWB, Raipur
Dr N.C.Mandal, NGRI, Hyderabad
Dr B.C.Joshi, CGWB, Faridabad
Sh Mahesh Sonkusre, CGWB, Raipur
Shri B.K.Sahu, CGWB, Raipur
Sh K.C.Mandal, CGWB, Raipur

Shri Amlanjyoti Kar, CGWB, Kolkata
Shri D.Chakraborty, CGWB, New Delhi
Dr Anirban Dhar, IIT, Kharagpur
Shri M.K.Garg CGWB, Faridabad
Dr S.K.Srivatava, CGWB, Faridabad
Sh A.K.Patre, CGWB, Raipur
Shri S.N.Dwivedi, CGWB, Faridabad

Organising Secretary

Dr Pradeep Kumar Naik, NGI, CGWB Raipur

Joint Organising Secretaries

Prof N.Bodhankar, SOS Geology, Pt RSU, Raipur
Shri P.K.Naik, NGI, CGWB Raipur

In association with:

Faculty members, SOS in Geology, Pt RSU, Raipur

Registration

Fee: Rs 500/-, Members of IAH- Free,

The participants have to bear their travel and accommodation costs. However, arrangements can be made for participants on request basis.

Contact person-

Dr Sudhanshu Shekhar, Scientist-D, CGWB & Treasurer, INC-IAH
Ph 09711063437, e-mail- sshekhar1962@gmail.com

Address for communication

INC of IAH

O/o Central Ground Water Board, Bhujal Bhawan, NH-IV, Faridabad-121001

Website- www.iahindia.org

REGISTRATION FORM

**National Workshop
Groundwater Challenges in India**

**13th January 2018
Raipur**

Name (in block letters):.....
Designation:
Area of Interest:
Postal Address:
Organization:
Mobile No:Office Phone
E-mail:
Participation: Research Paper : Oral Presentation : Yes No.
Title:

Date:

Place:

Signature

Registration fee details:

Registration Fee Rs 500/-

- By Demand draft No. dated drawn on
- By Cash: participated confirmation vide email dated.....

Dr Sudhanshu Shekhar,
Treasurer, INC-IAH
Central Ground Water Board
Bhujal Bhawan, NH-IV, Faridabad-121001
sshekar1962@gmail.com
Website- www.iahindia.org
Ph-09711063437