

OUR EXPECTED SPONSORS :

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- Ministry of Earth Sciences, GoI
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- UNICEF
- Department of Atomic Energy (DAE), Atomic Mineral Directorate, GoI
- KEIP, Kolkata Municipal Corporation
- Department of Water Resource Development, GoWB
- State Water Investigation Directorate, GoWB
- Public Health Engineering Directorate, GoWB
- Department of Science & Technology, GoWB
- West Bengal Pollution Control Board (WBPCB), GoWB
- Visva-Bharati University, Shantiniketan

➤ Indian National Committee for International Association of Hydrogeologists

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Sponsorship : ₹ 2 Lakh & above

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Organised by

Centre for Ground Water Studies (CGWS), Kolkata
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Seminar

on

"CHALLENGES TO GROUND WATER MANAGEMENT : VISION 2050"



Organised by

CENTRE FOR GROUND WATER STUDIES, KOLKATA

on 13 & 14 November, 2015

at ITC Sonar, Kolkata, India

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Web Address : www.cgwskolkata.com

PRELUDE

Since its inception in 2003, Centre for Ground Water Studies (CGWS), Kolkata, a NGO is working in the field of groundwater research and development for the last twelve years.

From the active association of the Centre with rural and urban communities, it is understood that the importance of groundwater in the water sector has increased rapidly in the past few decades throughout the world; more particularly in the Indian sub-continent i.e. India, Pakistan, Bangladesh, Sri Lanka, and Afghanistan. Such spectacular increase in groundwater use has affected the groundwater resources both in terms of quality (contamination) and quantity (depletion). Its equity and sustainability require special attention to ensure livelihood of farmers and national food security. The likely adverse impacts of climate change on the availability and quality of groundwater also invite significant policy attention in the international level as well as at the national level. On the backdrop of 25 million operating groundwater abstraction structures in our country, groundwater management calls for a paradigm shift from development to management for ensuring food security and energy security. Steps to managing groundwater can also help in curbing global warming which has emerged as a risk for sustainable socio-economic growth.

With these objectives in view, CGWS is organizing a Seminar on *“Challenges to Groundwater Management: Vision 2050” on 13th and 14th November, 2015 at Kolkata, West Bengal, India.*

OBJECTIVES

The seminar is intended to provide a platform for professionals and researchers involved in groundwater resources development and management to exchange knowledge and have an insight into the state of the art in current technology and solution for sustainable groundwater management, as applied in different countries including our country.

SUB THEMES

- ⊠ Groundwater management in *arid and semi-arid areas*
- ⊠ Groundwater management in *alluvial , coastal and hilly areas*.
- ⊠ Future groundwater scenario consequent to '*Global Climate Change*'.
- ⊠ Conservation of groundwater *Rainwater Harvesting* and *Artificial Recharges*—techniques and innovations.
- ⊠ Interrelationships of surface water and groundwater: holistic approach to water resources development and management,
- ⊠ Steps for groundwater improvement for '*Clean Ganga Mission*'.
- ⊠ Recent trends in groundwater researches : Remote Sensing, Advance Geophysical Application, Numerical Modeling, Isotope Hydrology and Nuclear Hydrology, Medical Hydrogeology.
- ⊠ Treatment of contaminated groundwater : arsenic, fluoride and other geogenic / anthropogenic pollutants ; innovative cost effective techniques,
- ⊠ Steps for sustainable Groundwater Development: Legal aspect and policy framing, groundwater economics, community participation, and **participatory management**, capacity building, stakeholders awareness generation and social intermediation in groundwater management.

CALL FOR PAPERS

Papers are invited covering recent trends of research and development on the sub-themes with a focus on cost-effective innovative technologies that are beneficial to the implementing agencies and nodal organizations for ground-water resources development and management. The authors are requested to submit full paper with figures etc. for review. The authors will be informed of the acceptance of the paper after review by the scientific programme committee. All papers are to be submitted at cgws@rediffmail.com.

IMPORTANT DATES

- I. Last date of registration and submission of full paper :
30th September, 2015.
- II. Intimation of the Acceptance :
25th October, 2015.

ACCOMMODATION

Participants will be given contact details of hotels/guest house/hostel, if required. Requisition for accommodation may be indicated in the registration form. All correspondence should be addressed to : Dr. S. K. Sarkar ; Secretary Center for Ground Water Studies ; **54/B/2, Central Road, Jadavpur, Kolkata-700032, Ph. +9133 24120142, Email : cgws@rediffmail.com**

PARTICIPANTS

Participants will include a wide class of stakeholders besides eminent scholars and young researchers. We expect the participations of government organizations and other professionals engaged in water management including NGOs and business houses. **The Organizing Committee seeks blessings and support of all who are concerned about groundwater.** We hope that consent of the participants will reach us shortly for encouraging our endeavor. We would be delighted to host the participants of the Seminar.

DELEGATION FEE FOR REGISTRATION :

1	Foreign delegates	\$ 300
2	Indian delegates	₹ 5000/-
3	Members of CGWS	₹ 2500/-
4	Research Fellow & Graduate students	₹ 1000/-

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AWARDING CERTIFICATES

- ❖ Certificate will be given only on registration by payment of delegate fee.
- ❖ In case of multi authors, all authors will have to register individually by payment of delegate fee.
- ❖ There is no provision of paying TA / DA to any delegate.

APPEAL FOR ADVERTISEMENT

Dear Sir/Madam

Center for Ground Water Studies, Kolkata is organizing an International Seminar on “*Challenges to Ground Water Management, Vision 2050*” to be held at *ITC Sonar Bangla* during 13-14th November 2015. Delegates from different states of India and few reknowned water experts from U K, USA, Germany, Sweden, Taiwan, Singapore, Bangladesh are likely to participate in this two days seminar.

To commemorate the occasion it has been decided to publish a **SOUVENIR** with research papers on different topics of groundwater development, treatment, effluent management and sustainable management of this vital resource.

In this connection we would request you and your organization to subscribe for Advertisement in the souvenir as per the following rates:-

Back cover.....	₹ 1,00,000/-
Inside cover.....	₹ 75,000/-
Special full page.....	₹ 50,000/-
Full page.....	₹ 20,000/-
Half page.....	₹ 10,000/-

The Advertisement Form is enclosed herewith. We strongly hope that you will come forward with generous co-operation in the matter to make this Seminar a grand success.

Thanking you,

DELEGATE REGISTRATION FORM

1. Name: _____
2. Designation: _____
3. Organization: _____
4. Mailing Address: _____

Telephone: (O) _____ Res: _____

Cell _____ Fax : _____

email: _____

- a. Whether participating in the Seminar: Yes/No
 - b. Whether presenting a paper: Yes/No
 - c. Whether it is a Commercial Presentation: Yes/No
 - d. Whether accommodation is required: Yes/No
 - e. What type of accommodation is required: Hostel/Guest House/
Hotel
5. Payment Particulars of Registration Fee:
- Amount Rs. _____
- D.D.No. _____ Date: _____
- Drawee Bank : _____

DD should be drawn in favour of the 'Centre for Ground Water Studies'

N.B. : *The Organiser is seeking approval for declaring the seminar as 'INTERNATIONAL' by the competent authority*

Address for Correspondence:

CENTRE FOR GROUND WATER STUDIES

54/B/2, CENTRAL ROAD, GROUND FLOOR, JADAVPUR, KOLKATA-700032, PH NO: 033-24120142

Dr. S.P Sinha Ray. President, Ph. No: 09830847725. Email: sinharaysp@gmail.com

Dr. S.K Sarkar. Organizing Secretary, Ph. No: 09874205677. Email: cgws@rediffmail.com

Format to book space for advertisement in the souvenir to be released at International Seminar on “Challenges of to Groundwater Management : Vision 2050” on 13th & 14th November 2015 at Hotel ITC SONAR, KOLKATA.

TO

The **Organizing Secretary**,
International seminar on Challenges to Groundwater management
Vision – 2050, Organized by C.G.W.S. Kolkata

Please book a space as stated in the table below. I/we agree to pay the amount as stipulated in the letter.

Name of Organisation	Space booked	Payment mode ***	Amount

*** Cheque / Draft may be drawn in favour of “Centre for Ground Water Studies”

*** Matter should be computer typed using suitable font size and attached with this form.

Signature with Seal

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ABOUT ORGANIZER- C.G.W.S, KOLKATA

Centre for Ground Water Studies (CGWS) Kolkata, a registered society under West Bengal Societies Registration Act, 1961, was established in 2003. The Centre functions as a NGO, constituted of a group of geologist, hydrologist, engineer, sociologist and environmentalist. Most of the members (either in service or retired) are from CGWB, GoI; SWID, GoWB; GSI, GoI; NATMO, GoI and Premier Academic Institutes. The members of the CGWS are highly professional, enriched with vast experience over the various sectors of water resources. At the early stage the Centre was rooted into the problems of groundwater development, but later it was a compelling invitation for the Centre to extend its activities over larger domain of water resources.

The Centre has grown over the twelve years and now occupies a trusted place in the field of water resource development and management. The Centre has special expertise on site-specific design and construction of Rain Water Harvesting Structures and techniques of recharging groundwater in urban and rural areas for safe drinking water and irrigation.

The Centre is concerned about the young qualified (M.Sc/M.Tech) people for building up their career in water sector. Often scopes are offered to them for field level training as an associate of an on-going project.

The centre also conducted short term Post Graduate Certificate Course on Groundwater Development and Management in collaboration with IISWBM, Kolkata for successive five years. The course was attended by the officers from public sector and private sector organizations, research scholars and graduate students. The Centre always offers training facilities in furtherance of research and development in water resource.

The Centre brings out the survey and research findings through academic meetings, conferences, workshops, symposia, short communications and awareness campaign.

The Centre raises the cardinal issues of groundwater to the state and national level policy makers simultaneously reaching the local stakeholders.

The Centre publishes a journal 'Indian Groundwater' with ISSN No. 2347-8063.