



*All India Seminar*  
on  
**Urban Flood Management : Challenges and Strategies in India**

on June 16-17, 2017

Venue : "Engineers Bhawan", 2-Bahadurshah Zafar Marg, New Delhi-110002

*Under the Aegis of :*

**CIVIL ENGINEERING DIVISION BOARD - IEI**

*Organised by :*

**The Institution of Engineers (India)**  
**DELHI STATE CENTRE**

*Jointly with :*



**Institution of Public Health Engineers, India**  
**Delhi Regional Centre**



**Indian Water Resources Society**  
**IIT, Roorkee**





## BACKGROUND

India is one of the few countries in the world endowed with reasonable land and water resources. The water and sanitation sector has been accorded highest priority by the United Nations (UN). The Government of India is very much committed to transform Urban India into well informed citizen-driven, totally hygienic, healthy, smart and habitable cities and towns. Provision for the management of storm water drainage system and groundwater recharge, requiring large public investments are few among various initiatives undertaken by the Union government in this direction so as to achieve and sustain these goals.

There is an urgent need for consultations amongst various stakeholders and other multi-disciplinary field experts on the planning, design, execution and operation & management of urban storm water drainage system based on the worldwide best practices in the sector and to incorporate the same in addressing the challenges in urban storm water management in India. The recent past incidents of urban flooding in Bengaluru, Chennai, Gurugram and Srinagar are eye openers for the experts in the field to rethink and consult for evolving the ways and means to come out from such situations in the urban centres in particular and across the country in general.

Water is prime requirement for living beings. The increasing population, urbanization, industrialization and agricultural practices have put pressure on this precious natural resource in terms of availability and quality. The groundwater depth is going on increasing. Storm water drainage is a concern not only for residential habitations and commercial establishments but also for road & rail networks; and making it an important citizen's issue to be addressed scientifically. Government of India has already endorsed the issue with seriousness and the Ministry of Urban Development has initiated preparation of a manual on 'Storm Water Drainage' for the practicing engineers of the country.

## OBJECTIVE OF THE SEMINAR

- To appraise the urban flood scenario and challenges in India
- Engineering aspects of storm water drainage systems in cities and towns
- Safe carrying capacities of natural and manmade drainage system within urban agglomerations
- Flood protection measures and floodwater drainage
- Management and operational issues of the drainage system
- Utilization and safe disposal of urban flood water

## DATE & VENUE

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New Delhi-110002

## OUT COME OF SEMINAR

Recommendations of the Seminar will be useful in drawing up a road map by the Government and their agencies for maximum management and channelization of urban flood in the country.

## ABOUT THE ORGANIZERS

**The Institution of Engineers (India), Delhi State Centre ([www.ieindia.org](http://www.ieindia.org))**

The Institution of Engineers (India) has more than one million members in 15 engineering disciplines in 114 centers or chapters in India and overseas; it is the world's largest multi-disciplinary engineering professional society in engineering and technology world. IEI was established in 1920 in Madras with Sir Thomas R. J. Ward as the founding president. In 1935, IEI obtained the Royal Charter of Incorporation from King George V 'to promote and advance the science, practice and business of engineering'. The Institution of Engineers (India) is acclaimed to have pioneered non-formal education in engineering.

Delhi State Centre has a history of more than 88 years. Located at ITO, it is a landmark in the city of Delhi. It has played a crucial role in uniting various professional societies right from its inception. Delhi State Centre has organized various successful activities which include International and National Conferences, Indian Engineering Congress, All India Seminars, Round Table Conferences and Workshops relating to different strategy of engineering and having crucial impact on society.

**Institution of Public Health Engineers, India ([www.ipheindia.org](http://www.ipheindia.org))**

Institution of Public Health Engineers (IPHE), India is a premier forum of public health and environmental engineers of the country. Established in 1972 as a modest society, today IPHE has 16 regional centres spread all over the country with its headquarters located in Salt Lake City, Kolkata. The corporate membership of the institution is open to public health and environmental engineers with a bachelor's degree in engineering or equivalent. The institution undertakes a diversified spectrum of activities such as organizing seminars, symposia, Conferences and training courses; undertaking research and development projects, consultancy services and publication of quarterly technical journals.

IPHE India, Delhi Regional Centre has been active from the early 1980s. The present executive council of IPHE, Delhi Centre assumed office in the month of May, 2017 under the leadership of Dr. Dinesh Chand, who is working as Additional Adviser, Ministry of Drinking Water and Sanitation, Government of India.

## Indian Water Resources Society ([www.iwrs.org.in](http://www.iwrs.org.in))

Indian Water Resources Society (IWRS) was founded in 1980 as a society registered under the Societies Registration Act. IWRS registered office is located in the WRD&M, I.I.T. Roorkee. In addition, IWRS has local centres in most of the major cities. Subject to approval by the executive committee, membership of IWRS is open to any person who is interested in water sector. One doesn't have to be an engineer to be a member of IWRS. It has 7408 individual members; 335 fellows; and 48 institutional members. The main objective of IWRS is advancement of knowledge in technical and policy aspects of water resources development and management. IWRS serves as a platform for free and frank discussions amongst those concerned with water related issues. Although IWRS-DC is an NGO, it believes that co-operation with the Government agencies, and not confrontation, is the key to making a difference in the water resources sector.

### PARTICIPANTS

Officers from Urban Development Department (UDD), Urban Local Bodies (ULBs), Public Health Engineering (PHE), Central Public Works Department (CPWD), Public Works Department (PWD), Highway Engineers, Railway and Municipal Engineers & Officers, City Administrators, Researchers/Academics and Civil Society in general are expected to be the participants and would be benefited from the presentations to be made by the experts in the field.

### Participation Fees

Categories*	Registration before 30th May, 2017	Registration after 30th May, 2017
Consultancy Firms/ Industrial Delegates	Rs. 3500/-	Rs. 5000/-
Govt. officers/NGOs	Rs. 2500/-	Rs. 3500/-
IEI Members/Students	Rs. 750/-	Rs. 1000/-
Speakers/ Authors	NIL	NIL

\*10% discount is admissible for two or more registrations in all categories from each organisation.

NEFT/RTGS/Online transfer/Bank Draft/Banker's Cheque to be made in favour of "The Institution of Engineers (India) A/c. Delhi State Centre" payable at New Delhi. Bank Account No. : 1033009815, Central Bank of India, Bank Branch (MICR) Code : 110016021, IFSC Code: CBIN0280306, PAN No. AAATT3439Q.

### SCOPE AND STRUCTURE OF SEMINAR

Papers/discussions/case studies would be presented by the expert speakers on following themes and sub themes:

#### 1. Inaugural Session - Day - 1 : Curtain Riser

- Flood management challenges and strategies in India.

- Utilization of Flood water in Urban India
- Present practice in policy, planning, implementation of storm water drainage projects and gaps.

#### 2. Technical Session- Day - 1 : Issues - Need for flood management in human habituated area (Urban location), rainfall analysis and hydrologic regime, historic rainstorms, application of hydrological data, point & areal rainfall, rainfall frequency, synthetic rainstorms, runoff estimation method, storm water quality, mapping of critical water logged and flood affected areas, engineering aspects of flood water drainage & disposal systems in urban towns, system planning and layout of public drainage system.

Information and detailed considerations for system planning; design return period. Storm water drainage systems, its theory, concepts and design, hydraulic analysis, flow classifications & flow routing, drainage system & appurtenances detail, storm water pumping systems, storm water drain rehabilitation.

#### 3. Technical Session -Day - 2 : Issues - Operational aspects of storm water drainage system in urban India - storm water drainage operation and maintenance, utilization, and sustainability of storm water drainage system.

Planning and design considerations for control of floodwater, flood protection measures, floodwater pumping station, room for river concept, groundwater recharge through storm water drains.

Capacity building, experience sharing- Indian & other countries - case studies, model projects, innovative Ideas in planning, design and operation, Financing models.

#### 4. Valedictory Session - Day - 2 (2.30 pm Onwards)

### CALL FOR THE PAPERS/PRESENTATIONS

There will be numbers of papers of high standard from eminent persons from the field by invitation as well as own submission. These paper preferably be submitted as per the guideline of IEI through soft copies through e-mail at [delhisc@ieindia.org](mailto:delhisc@ieindia.org) along with presentation in power point as per the following timelines :

### Timelines

Sr. No.	Activity	Last date of submission/ confirmation
1	Submission of Abstract	30.05.2017
2	Confirmation to Author	02.06.2017
3	Full paper	06.06.2017
4	Presentation material of paper	08.06.2017
5	Allocation of slot	10.06.2017

## SPONSORSHIP/PARTNERSHIP

Sponsorship	Fee	Privileges
Silver	Rs. 25000	2 Nominee complimentary and Display name in Souvenir
Gold	Rs. 50000	4 Nominee complimentary and Display name in Souvenir and Banners
Diamond	Rs. 100000	8 Nominee complimentary and Display name in Souvenir, Banners and Proceedings
Patron/ Corporate	Rs. 300000	20 Nominee Complimentary and Display name in Souvenir, Banners, Proceedings and Kit

The sponsor may support the event lunch/dinner/kit/ and display products/leaflets/books/study material etc.

## Advertisement on Souvenir

On this occasion, it is proposed to bring out a souvenir with abstract/full text of selected papers and subject related articles. In this regard, we will gratefully appreciate, if you could place an advertisement in the souvenir. The Tariff for the advertisement (coloured) are as follows:

Full Page	: Rs. 30,000/-
Half Page	: Rs. 20,000/-
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Inner Cover Page	: Rs. 50,000/-

**Note :** The DD/Cheque can be drawn at New Delhi in Favour of "The Institution of Engineers (India)", Delhi State Centre.

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- Mr S B Vasava, Member, CVDB - IEI
- Mr. Shivanand Roy, Special Invitee, CVDB - IEI

#### For further enquiry, please contact :

Mr. Praveen Kumar Singh, Honorary Secretary

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**Seminar Convenors** : • Dr. S M Goel, Member, IEI-DSC

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- Prof. Asish Pandey, Secretary, IWRS

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