



भारत सरकार / Government of India
केन्द्रीय जल आयोग / Central Water Commission
प्रशिक्षण निदेशालय / Training Directorate



संख्या:- 5/70/2019-प्रशिक्षण/

3421-3550

दिनांक: 26.08.2019

**विषय: National Level Training Programme on "Flood Risk Management and Water Sector DRR"
to be held at NIH, Roorkee during 14th-18th October, 2019- reg.**

कृपया उपरोक्त विषय से संबंधित पत्र / विवरणिका की प्रति संलग्न पायें। अनुरोध है कि यदि कोई नामांकन हो तो दिनांक 05/09/2019 तक निश्चित रूप से सदस्य / मुख्य अभियंता मा. स. प्र. (मा. सं. प्र. से सम्बंधित)/ मुख्य अभियंता रा. ज. अ. से सम्बंधित अनुमोदन के पश्चात् भेजने की कृपा करें। साथ में नामित अधिकारियों के जीवन वृत्त (uploaded and downloaded from CWC website) भी संलग्न करें, जिसमें उनके द्वारा अब तक के सेवा काल के दौरान भाग लिए गए विभिन्न कार्यक्रमों का ब्यौरा दर्शाया गया हो।

यह भी सूचित किया जाता है कि नामित अधिकारी के नामांकन पर दर्शायी गई तिथि के उपरान्त प्राप्त होने पर विचार नहीं किया जायेगा साथ ही अध्यक्ष की स्वीकृत होने के पश्चात् नाम वापस लेने की अनुमति नहीं दी जाएगी।

संलग्नक :- यथावत


(एस.के. सिन्हा)

निदेशक (प्रशिक्षण)

1. अध्यक्ष केन्द्रीय जल आयोग के निजी सचिव, नई दिल्ली।
2. सदस्य जल आयोजन एवं परियोजना / अभिकल्प एवं अनुसंधान / नदी प्रबंध के निजी सचिव, केन्द्रीय जल आयोग, नई दिल्ली।
3. सभी मुख्य अभियंता, केन्द्रीय जल आयोग।
4. निदेशक समन्वय, आयोजन एवं परियोजना / अभिकल्प एवं अनुसंधान / नदी प्रबंध, केन्द्रीय जल आयोग, नई दिल्ली।
5. सचिव/निदेशक (तकनीकी समन्वय) केन्द्रीय जल आयोग, नई दिल्ली।
6. सभी निदेशक/ अधीक्षण अभियंता, केन्द्रीय जल आयोग, नई दिल्ली।
7. कनिष्ठ अभियंता, प्रशिक्षण निदेशालय, कृप्या परिपत्र को केन्द्रीय जल आयोग की वेब साइट पर अपलोड करें।

Course Brochure

**Five Day National Level Training Programme on
“Flood Risk Management and Water Sector DRR”
(14-18 October, 2019) at NIH Roorkee (Uttarakhand)
Jointly organized by NIDM & NIH**



About NIDM

The National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India is a centre of excellence and learning in the field of disaster management. It is a premier resource institution for human resource development, training, capacity building, applied research, implementation and dissemination of information and theoretical knowledge to case study based practitioners approach for holistic disaster management. The institute works towards the effective application of disaster risk mitigation and management in India as well as in the region by providing technical assistance for capacity building and developing disaster management systems and institutional framework in the sector. Some of the key areas in which the institute is involved are:

- ✚ **Training:** Training programs, training workshops, and training of trainers for officials at the national, state and district levels to prepare them to tackle natural disasters.
- ✚ **Research:** Issues, concerns and lacunae in management of disasters, Lessons learnt from past disasters and best practices in Disaster Management.

- ✚ **Documentation:** Disaster events, Impact of disasters, Situational analysis of relief and response measures, creation of database through primary surveys and secondary sources, preparation of brochures, pamphlets, posters, films etc.

About NIH

National Institute of Hydrology (NIH) is a premier Institute in the area of hydrology and water resources in the country under Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation, Govt. of India. The Institute was established in 1978 with the main objective of undertaking, aiding, promoting and coordinating systematic and scientific work in all aspects of hydrology. The Institute has its Headquarters at Roorkee (Uttarakhand), four regional centres at Belgaum, Jammu, Kakinada and Bhopal and two centres for Flood Management Studies at Guwahati and Patna. The Institute is well equipped to carry out computer, laboratory & field oriented studies with laboratories like Remote Sensing Lab, Nuclear Hydrology Lab, Soil Lab and Water Quality Lab with state of the art equipments. The institute pursues capacity development by way of organizing specialized training courses on various aspects of Hydrology and Water Resources. The institute also organizes national and international seminars/ symposia/ workshops/ brainstorming sessions etc. For details about NIH, please visit www.nihroorkee.gov.in

About the Course

Logistics

Programme Venue and Duration:

The programme will be organized at NIH Roorkee. The training programme will start on Monday, Oct 14, 2019 and will conclude on Friday Oct 18, 2019.

Target Group: Senior and middle level officers/trainers from state government departments of Urban development, Irrigation & Flood Control, Agriculture, Animal Husbandry, Revenue, Health, PHED, PWD, Road & Bridges, Food & Civil Supplies, Environment & Forests, Police, Civil Defence, Municipal Corporations, Panchayati Raj, Rural Development, Transport Departments and Fire & Emergency Services, etc.

Course Fee: The Registration/nomination is free for the participants nominated by establishments/Departments/Institutes under the States/ UTs of India. It is intended to register only a limited number of participants for the course, on first come first served basis.

Boarding & Lodging: The boarding and lodging arrangements for the confirmed participants would be arranged and borne by NIH Roorkee whereas the travel cost of participants from their headquarters to NIH Roorkee & back would be borne by their own sponsoring / nominating organization/Department.

Academic

Objectives: The key objectives are as follows:

- ◆ To provide the participants about the concepts of disaster management and an overview on approaches & pathways of Water sector innovation in flood DRR
- ◆ To enhance understanding concerning the nature, extent of the threats and the value of counter measures to combat the adverse impact of floods
- ◆ To give an overview on various structural and non-structural measures for preparedness and mitigation during flood w.r.t. climate change
- ◆ To provide an overview on the role of weather information and forecasts, climate change, Early Warning System and criteria for Flood
- ◆ To develop administrative capabilities to plan and implement disaster resilience for a safe national sustainable development w.r.t. water sector & DRR

Course Contents: The contents of the course would cover the following aspects, to achieve the objectives:

- ◆ Basic Concepts of Disaster Management and Disaster Risk Reduction in Flood Risk Management in changing scenario of climate and environment in India
- ◆ Flood Estimation, Flood Forecasting and Early Warning System & Role of Strategic preparedness tools in management of flood and its National Guidelines
- ◆ Health aspects in flood & Geo-informatics applications in flood disaster risk reduction
- ◆ Mitigation measures in India - Structural and Non- structural aspects of flood
- ◆ Search & Rescue operation in flood management & Incident Response System for flood
- ◆ Flood Resilient structures for its Mitigation
- ◆ Experience sharing & Challenges ahead based on initiatives taken by the stakeholders & lessons learnt on flood w.r.t. water sector & climate change

Methodology

Power point presentations, discussions, exercises with question/ answer

Attendance & Certificate

Marking attendance Forenoon and Afternoon is compulsory for certification. A certificate will be awarded to each participant on the successful completion of the programme.

COURSE TEAM

NIDM	NIH
Overall Supervision	
Maj. Gen. Manoj Kumar Bindal, VSM Executive Director, National Institute of Disaster Management Ministry of Home Affairs, Govt. of India 4th Floor, NDCC-II, Jai Singh Road, New Delhi - 110 001	Dr. Sharad Kumar Jain Director National Institute of Hydrology Ministry of Jal Shakti, Dept. Water Resources, RD & GR, Govt. of India, Jalvigyan Bhawan Roorkee-247667 (Uttarakhand)
Course Coordinators	
Dr. A.D. Kaushik Sr. Faculty & Centre Head, Forest & Bio-diversity DRR, ECDRM Division, National Institute of Disaster Management Ministry of Home Affairs, Govt. of India 4th Floor, NDCC-II, Jai Singh Road, New Delhi - 110 001 Email: adkaushik@gmail.com Dr. Anil K. Gupta Associate Professor & Head, ECDRM Division, National Institute of Disaster Management Ministry of Home Affairs, Govt. of India 4th Floor, NDCC-II, Jai Singh Road, New Delhi - 110 001 Email: anilg.gov.in@gmail.com anil.nidm@nic.in	Dr. Rakesh Kumar Scientist-G & Head Surface Water Hydrology Division, National Institute of Hydrology, Ministry of Jal Shakti, Dept. Water Resources, RD & GR, Govt. of India, Roorkee - 247667 (Uttarakhand) Email: rakeshnihi@gmail.com Dr. Archana Sarkar Scientist-D Surface Water Hydrology Division, National Institute of Hydrology, Ministry of Jal Shakti, Dept. Water Resources, RD & GR, Govt. of India, Roorkee - 247667 (Uttarakhand) Email: archana_sarkar@yahoo.com archana.nihr@gov.in Mob.: 9411100704 Sh. J.P. Patra, Scientist- C Surface Water Hydrology Division, National Institute of Hydrology Ministry of Jal Shakti, Dept. Water Resources, RD & GR, Govt. of India, Roorkee - 247667 (Uttarakhand) Email: patra.nih@gmail.com jppatra.nihr@gov.in Mob: 9870784572

National Institute of Disaster Management
(Ministry of Home Affairs, Govt. of India)
Website: www.nidm.net & www.nidm.gov.in

In collaboration with
National Institute of Hydrology (NIH), Roorkee (Uttarakhand)
(DWR RD & GR, Ministry of Jal Shakti, Govt. of India)
Website: <http://nihroorkee.gov.in/>

Nomination/Registration Form

**Program: National level Training Programme on "Flood Risk
Management and Water Sector DRR"**

Date: 14-18 October, 2019

Venue: National Institute of Hydrology (NIH), Roorkee, (Uttarakhand)

Name of Participant: _____

Designation: _____ **Age/Gender** _____

Name & Address of the Organization _____

Address for Correspondence: _____

Tel: STD Code: _____ **Office:** _____ **Residence:** _____

Mobile: _____ **Fax:** _____

Email: _____ **Blood group** _____

Academic Background: _____

Whether accommodation required: Yes/ No

Signature of nominee

Date:

Signature & Seal of Nominating Authority

PS: Please send the filled nomination to Dr. Archana Sarkar/ Sh J.P. Patra, NIH Roorkee, (archana_nih@yahoo.com and patra.nih@gmail.com). Fax: 01332-272123, 273976. It is intended to register only a limited number of participants for the course, on first come first served basis. The intending participants are, therefore, requested to register themselves early by filling and mailing the attached registration form preferably by 15th Sept, 2019, and latest by 30th Sept, 2019.