

I/84377/2022

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन नदी विकास एवं गंगा
संरक्षण विभाग केन्द्रीय जल आयोग
प्रशिक्षण निदेशालय



Government of India
Ministry of Jal Shakti
Department of WR, RD&GR
Central Water Commission
Training Directorate

परिपत्र

विषय: Virtual National Workshop on "Mountain Hazards & Lessons Learnt from 7th Feb 2021 Uttarakhand Disaster" is scheduled to be held on 7 th Feb 2022 (Monday) at 10:00 AM to 12:00 PM.

National Disaster Management Authority (NDMA), Government of India, NDMA Bhawan, A-1 Safdarjung Enclave, New Delhi is organising a **Virtual National Workshop on "Mountain Hazards & Lessons Learnt from 7th Feb 2021 Uttarakhand Disaster"** scheduled to be held on 7th Feb 2022 (Monday) at 10:00 AM to 12:00 PM.

Guidelines to the participants and Programme Brochure are attached herewith as annexure I.

Links for joining the programme:

<https://ndma.webex.com/ndma/j.php?MTID=m38eb8f5a3fe8aad15ed77b76e23d924b>
Meeting number: 25156770223

Interested Officers are requested to make use of above Webinar with the permission of his/her controlling officer by ensuring that the office work doesn't get hampered.

(वेंकटेश्वरु ई.)

उप निदेशक (प्रशिक्षण)

प्रतिलिपि सूचनार्थ प्रेषित:

1. Sr. PPS to Chairman, CWC, New Delhi.
2. Sr. PPS/PPS to Member RM/WP&P/D&R, CWC, New Delhi.
3. Chief Engineer, HRM, CWC, New Delhi.
4. Director (Co-ordination), RM/WP&P/D&R, CWC, New Delhi.
5. Secretary, CWC, New Delhi.
6. Senior Consultant (Landslide & Avalanche), National Disaster Management Authority (NDMA), Government of India, NDMA Bhawan, A-1 Safdarjung Enclave, New Delhi – 110029 (email:src-landslide.ndma@nic.in)
7. All the staff of CWC through CWC website/e-Office Notice Board.

नई लाइब्रेरी बिल्डिंग,
राम कृष्ण पुरम, नई दिल्ली : 110066
दूरभाष : 011-29583531,
ईमेल:trngdte@nic.in
जल संरक्षण – सुरक्षित भविष्य



Page | 1 of 5

New Library Building
R.K.Puram, New
Delhi:110066
Tel:011-29583531
Email: trngdte@nic.in

Conserve Water - Save Life

Annexure -I**General Instructions for Participants**

- All participants are requested to choose their profile name in a manner that they can be easily identified along with their department/ organisation.
- The participant's camera must be on and the microphone must be muted. Microphone may be switched on when participant wants to speak and then muted again.
- Please log in the Video conference at least 10 minutes prior to start time and write your name, department, contact number and email id in chat box to facilitate NDMA to prepare attendance sheet.
- Please ensure that no unauthorised person is attending the VC.
- Test your presentation well before VC starts.
- Do not move or hold the tabletop Microphone.
- Please do not forward the VC link to others to join the VC. If there is a requirement of other persons of your organisation to join the VC, please keep NDMA informed with their identity, so that they can be admitted in the meeting.

National Disaster Management Authority

Virtual National Workshop

“Mountain Hazards & Lessons Learnt from 7th Feb 2021 Uttarakhand Disaster”

Date: 07.02.2022 (Monday)

Time: 1000 to 1200 Hrs

On the anniversary of the disastrous event that wracked the Nanda Devi Biosphere Reserve Valley of Ronthi Gadhera, Rishiganga and Dhauliganga Rivers in Chamoli District of Uttarakhand on 7th February 2021, NDMA is organizing a one day national workshop.

The theme of **National Workshop** is **“Mountain Hazards & Lessons Learnt from 7th Feb 2021 Uttarakhand Disaster”**. It will include technical session and lessons learnt.

In the morning of 7th Feb 2021 (Sunday) around 10:00 AM a massive failure of huge rock mass along with dislodgement of a glacieret occurred which resulted in an air blast and formation of dust clouds in the higher reaches of the Nanda Devi Range in the Garhwal Himalayas.

This event brought an unprecedented level of debris flow in the Raunthi Gadhera, Rishiganga and Dhauliganga river valleys in the Joshimath block of the Chamoli district, Uttarakhand. The displaced rock mass and glacieret ice moved downhill along the river valley at an extremely high speed with air blast which uprooted trees, from a high altitude over steep slopes. The event led to the formation of a landslide dam at the base of the crash zone and a debris dammed lake in the Rishiganga River, which further led to massive debris flow in the Raunthi Gadhera and the Dhauliganga Rivers.

Impact

Uttarakhand disaster has caused damage and losses to hydel projects (at Raini and Tapovan) to include buildings, roads and bridges in path of the debris flow. This event also caused the loss of 204 human lives and about 186 livestock. Supply of electricity, water and connectivity to 13 villages was adversely affected due to the event, although the same was restored within a few weeks. The news of this disaster event was globally spread and covered by many national and international media.

In recent years, incidences of geo-hydro-meteorological disasters and extreme weather events having cascading impacts have increased. Events involving landslides, Glacial Lake Outburst Floods (GLOF), cloudburst and snow avalanche have increased due to many factors prevailing in the Himalayan region and other hilly States of India causing substantial loss of life, property and geophysical environment of the mountain ecosystem.

NDMA is organizing this National level workshop on **7th Feb 2022 (Monday) at 1000 – 1200 Hrs** in which Technical Sessions on **“Mountain Hazards & Lessons Learnt from 7th Feb 2021 Uttarakhand Disaster”** will be conducted.

The **broad objective** of the workshop is the sharing of experiences / best practices and lessons learnt for preparedness / mitigation of hazards and also to chart out a future course of action.

Ministry of Home Affairs (MHA) and other concerned Ministries/ Departments, NIDM, NDRF, State Disaster Management Authorities (SDMAs), State/UT Governments, Administrative Training Institutes (ATIs), UN-agencies, Swiss Agency for Development and Cooperation (SDC) and other stakeholders involved in study of these hazards with a focus on monitoring, forecasting, mitigation and response are requested to participate in the event.

The deliberations will help all vulnerable States / Union Territories / Districts and other stakeholders in taking appropriate measures to reduce risk of hazards through advance planning and preparation. Drawing lessons from the experiences of other states and institutions through sharing of best practices will add to the effectiveness. Moreover, interaction with experts from different fields will help NDMA, disaster management agencies and other stakeholders to prepare a roadmap for preparedness, mitigation and conceptualization of projects in the future to reduce the risk and impact of disasters.

I/84377/2022

Tentative Schedule of Programme

**Virtual National Workshop on
“Mountain Hazards & Lessons Learnt from 7th February 2021
Uttarakhand Disaster”**

Date : 7th February 2022 (Monday)
Time : 1000 – 1200 hrs

Webex link:

<https://ndma.webex.com/ndma/j.php?MTID=m38eb8f5a3fe8aad15ed77b76e23d924b>

| Time (hrs) | Programme | Speakers / Chaired |
|--------------------|---|---|
| 0930 – 1000 | Registration (Joining the workshop through webex link) | |
| 1000 – 1035 | Inaugural Session | |
| 1000 – 1005 | Welcome Address by Member Secretary, NDMA | Shri Kamal Kishore Member Secretary (In-charge), NDMA |
| 1005 – 1010 | Key Note Address by Member, NDMA | Lt. Gen. Syed Ata Hasnain Member, NDMA |
| 1010 – 1012 | e-Release of Detailed Report on Study of Causes & Impacts of the Uttarakhand Disaster on 7 th February 2021 in Raunthi Gadhera, Rishiganga & Dhauliganga Valley : Measures to Reduce Disaster Risks | |
| 1012 – 1030 | Inaugural Address by the Chief Guest | Prof. V. K. Sharma Vice-Chairman, Sikkim SDMA |
| 1030 – 1035 | Vote of Thanks by Member, NDMA | Shri Rajendra Singh Member, NDMA |
| 1035 – 1130 | Technical Session – Landslides Risk Reduction & Mitigation Chair : Lt. Gen. Syed Ata Hasnain, Member, NDMA | |
| 1035 – 1050 | Lessons learnt from 7 th February 2021 Uttarakhand Disaster & National Programme on Landslide Risk Reduction & Mitigation | TBD NDMA |
| 1050 – 1105 | Landslide & GLOF hazards in India by (NRSC) -ISRO | TBD NRSC-ISRO |
| 1105 – 1120 | Landslides susceptibility mapping and early warning in India & | TBD Geological Survey of India (GSI) |
| 1120 – 1130 | Q & A | Participants |
| 1130 – 1200 | Valedictory Session | |
| 1130 – 1150 | Valedictory Address by the Guest of Honour | Dr. R. K. Bhandari Chairman INAE |
| 1150 – 1200 | Closing Remarks & Vote of Thanks | Shri Krishna Vatsa Member, NDMA |
