



No.5/55/2019-Trg./ 4387-91

Dated: 02 07.2019


कार्यालय आदेश

Approval of the Chairman, CWC is hereby conveyed in respect of the following officers for their participation in "Inception cum Brainstorming Workshop for Preparation of Guidelines for the Management of Glacial Hazards and Risks including Glacial Lake Outburst Floods (GLOFs)" to be organized by NDMA in collaboration with SDC, Embassy of Switzerland India at India International Centre, 40 Max Mueller Marg, New Delhi – 110003 during 3rd - 4th July, 2019.

Sl. No.	Name of the officers(S/Shri/Ms)
1.	Ajay Kumar Sinha, Director, M&CC, CWC, New Delhi. (Mob. 9560444535, e-mail: dirmorpho-cwc@nic.in)
2.	Mrs. Shobhika Singh, AD Morphology &CC Dte,CWC,New Delhi (Mob: 8130986942, e-mail: shobhika.singh05@gmail.com)

The above officers will be governed by the following terms & conditions:

1. They will be entitled to draw TA/DA as per rules.
2. They will get full pay and allowances during the programme.
3. No substitute will be provided in their place.


(एस .के. सिन्हा)
निदेशक (प्रशिक्षण)

Copy to,

1. Sh. Ravinder Singh, Consultant (Landslides & Avalanches), National Disaster Management, Authority (NDMA), Government of India, NDMA Bhawan, A-1 Safdarjung Enclave, New Delhi - 110029.(Mob. 8800338608, e-mail:ndma2019glof@gmail.com).
2. Director Coordination, RM, CWC, New Delhi.
3. Officer concerned. They are requested to submit a feedback report after completion of the Program.
4. J.E. (Trg), CWC, New Delhi to upload this order on CWC website/intranet portal.

Programme Schedule
Inception cum Brainstorming Workshop on
Preparation of Guidelines for the Management of Glacial Hazards and Risks
especially Glacial Lake Outbursts Floods (GLOFs)

Date: July 3–4, 2019

Venue: Conference Room II, India International Centre, Max Mueller Marg, Lodhi Estate New
Delhi

DAY 1: 3rd July, 2019 (Wednesday)

Time	Topic	Speaker
9.00-10.00 AM: REGISTRATION		
INAUGURAL SESSION		
10.00-10.10 AM	Welcome and Background of Workshop	Ms. Marylaure Crettaz, Head of Cooperation, SDC
10.10-10.50 AM	Key Note Address including an overview of disaster management framework & initiatives of NDMA	Lt. Gen. N. C. Marwah (Retd.), Member, NDMA
10.50-11.10 AM	GLOF hazard management in Sikkim	Dr. Andrew Kos, Terrasense Switzerland Ltd
11.10-11.20 AM	Vote of Thanks	Ms. Divya Kashyap, Senior Advisor, SDC
11.20-11.45 AM: TEA BREAK		
TECHNICAL SESSION–I (Chair: Ms. Marylaure Crettaz, Head of Cooperation, SDC) <i>Establishing the Context</i>		
11.45-12.15 PM	Introduction to the risk assessment framework	Dr. Holger Rudolf Frey, University of Zurich
12.15-13.15 PM	Open round of feedback on draft document	
13.15-14.15 PM LUNCH BREAK		
TECHNICAL SESSION –II (Chair: Dr. Pradeep Kumar, IAS, Secretary, NDMA) <i>Central Asia, India & State Disaster Management Strategies</i>		
14.15–14.35 PM	Experiences from Central Asia and Caucasus	Dr. Dmitry Petrakov, Moscow State University
14.35-15.30 PM	Overview of risk management strategies in India and State, with emphasis on consideration of glacier hazards by Indian experts & State Representatives (10 minutes each)	Task Force Expert & Disaster Risk management officials from the glaciated Himalayan states
	Glacial Lake Outburst Flood Risk Assessment of Glacial Lakes in Indian Himalayas	Dr. B. Simhadri Rao, Sci-G, NRSC-ISRO
	Glacial Lakes in Himachal Himalayas-An Overview	Dr. S. S. Randhawa, Pri. Scientific Officer, HIMCOSTE
	Glacial Lake Evolution in J&K Using Earth Observation Data	Dr. Irfan Rashid, Kashmir University
	GLOF preparedness in Sikkim - of South Lhonak Lake : A Case Study	Dr. G. C. Khanal, SSDMA, Sikkim Government
15.30-16.00 PM	Open discussion of commonalities and potential gaps across the states	
16.00-16.15 PM: TEA BREAK		

TECHNICAL SESSION –III (Chair: Moscow State University)		
Establishing Priorities		
16.15–16.25 PM	GLOF studies in India and way forward	Dr. Anil V. Kulkarni, Distinguished Scientist, IISC, Bangalore
16.25–16.40 PM	Knowledge on dangerous lakes in the IHR	Dr. Simon Allen, University of Zurich
16.40-17.30 PM	Working table discussions: State level prioritization of dangerous lakes	
Conclusion of Day One		
19:30 -22:00 PM: Workshop Dinner in Magnolia Hall, India Habitat Centre (IHC), New Delhi		

DAY 2: 4th July, 2019 (Thursday)

Time	Topic	Speaker/Moderator
TECHNICAL SESSION –IV (Chair: University of Zurich) <i>From Risk Assessment to Disaster Risk Management</i>		
10.00–10.20 AM	Social dimensions of glacier risk	Prof. Dr. Marcus Nüsser, Heidelberg University
10.20-11.00 AM	Working table discussions – how to couple risk assessment management framework to existing DRM plans	
	11.00-11.30 AM: TEA BREAK	
11.30-12.30 PM	Reporting back from group discussions	
12.30–13.15 PM	Open discussion on challenges and opportunities in disaster risk management in IHR	
13.15-14.15 PM LUNCH BREAK		
CONCLUDING SESSION <i>Key Messages and Next Steps</i>		
14.15-15.15 PM	Round table discussion on needs and requirements for risk assessment and management framework	
15.15-15.30 PM	Next steps	University of Zurich
15.30-15.45 PM	Closing remarks	Shri Sandeep Poundrik, IAS, Joint Secretary (Mitigation), NDMA
15.45-16.00 PM	Closing remarks and thanks	SDC
16:00-16:15 Farewell Tea		
Conclusion of Day Two		