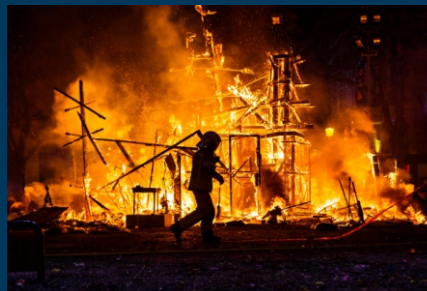


# DISASTER

*Response & Management*

March 2020, Volume 7, Issue 1  
ISSN: 2347-2553

LBSNAA



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**CENTRE FOR DISASTER MANAGEMENT**  
Lal Bahadur Shastri National Academy of Administration, Mussoorie

# DISASTER

## Response & Management

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### **Centre for Disaster Management**

Lal Bahadur Shastri National Academy of Administration,  
Mussoorie - 248179, Uttarakhand, India  
EPABX: (0135) 2632405, 2632489 & 2222000 (Extn-2385)  
Telefax: 0135-2632655, Fax: 0135-2632350 & 2632720  
Email: [cdm.lbsnaa@nic.in](mailto:cdm.lbsnaa@nic.in)

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Chandu Press, D-97, Shakarpur, Delhi-110092

Ph.: 011-22526936, 09810519841

E-mail: chandupress@gmail.com

## DIRECTOR'S MESSAGE

Due to its unique geographical and geological conditions, India is vulnerable to various natural disasters. In India, the incidents of flood, drought and other natural disasters are on the rise and pose a tremendous challenge to the society in general and administration in particular. Each disaster heightens the sense of urgency to equip ourselves better in coping and managing them. In this context, the training of civil servant in Disaster Management assumes critical significance.

There is a need to move from the paradigm of responding to disasters to one of building in resilience against disasters in all aspects of decision making. A key challenge to administrators would be raise the level of awareness in the society regarding the cost of allowing disasters to affect it and to build resilience in infrastructure and in the community.

It gives me immense pleasure to note that Centre for Disaster Management, LBSNAA is bringing out the edited journal "Disaster-Response and Management" Volume 7, Issue 1 for the year 2019-20 under the project "Capacity Building on Disaster Management for IAS/Central Civil Services Officers" sponsored by National Disaster Management Authority (NDMA). This is the compilation of research articles providing insights in the recent trends in disaster management. I hope this volume will add to the knowledge base for disaster management in the country and will be useful for both the trainees and the administrators in the field.



**Sanjeev Chopra IAS,**  
Director,  
Lal Bahadur Shastri National Academy of Administration,  
Mussoorie

## PREFACE

The Centre for Disaster Management (CDM), Lal Bahadur Shastri National Academy of Administration (LBSNAA), Mussoorie is a training and research centre under the aegis of LBSNAA, Mussoorie. The centre is involved in training IAS and other Group-A civil service officers at induction as well as at in-service level in various aspects of disaster management, besides undertaking, action research projects, documentation of best practices, development of case studies, etc.

The magnitude and frequency of disasters has increased drastically in terms of human, economic and environmental losses. Under the conventions on SDGs, Paris agreement, Sendai framework for Disaster Risk Reduction, there is a need to document the research carried by individuals in the field of Disaster management to achieve the committed goals of India as a signatory. Disaster Response and Management in recent times received increased attention, both within the country and abroad.

It is our pleasure to publish Volume 7, Issue 1 of the journal “Disaster-Response and Management” for the year 2019-2020. This publication will provide an insight to administrators about the recent trends in response, planning and scientific interventions towards Disaster Risk Reduction. I would like to place on record the contribution of the faculty and staff of CDM in various towards this publication.



**C. Sridhar, IAS**  
Deputy Director (Sr.) & Director  
CDM, LBSNAA

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website: [lbsnaa.gov.in](http://lbsnaa.gov.in)