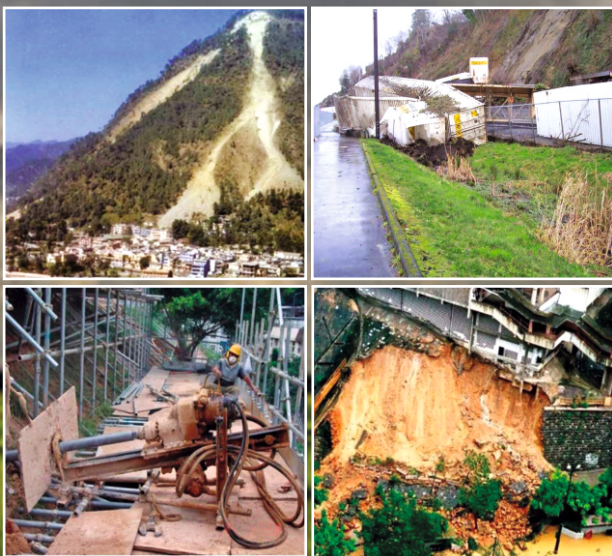


# DISASTER

## Response & Management



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**CENTRE FOR DISASTER MANAGEMENT**

Lal Bahadur Shastri National Academy of Administration, Mussoorie - 248179

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## DIRECTOR'S MESSAGE

**D**ue 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 6, Issue 1 for the year 2018-19 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.



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**Sanjeev Chopra, IAS**  
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## PREFACE

The Centre for Disaster Management (CDM), Lal Bahadur Shastri National Academy of Administration (LBSNAA), Mussoorie is a training and research centre working 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. In a caring and civilized society, it is essential to deal effectively with the devastating impact of disasters.

In continuation to the successful publication of the fifth volume of the journal "Disaster-Response and Management" from Centre for Disaster Management, it is our pleasure to publish Volume 6, Issue 1 of the journal "Disaster-Response and Management" for the year 2018-2019. The journal 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 made by faculty and staff of CDM who have contributed in various capacities for bringing out this Journal.



**Raghuraj Rajendran, IAS**  
Deputy Director (Sr.) & Director  
CDM, LBSNAA

# CONTENTS

Sl. No.	Title of the paper	Page No.
	Director's Message	iii
	Preface	v
1	Combating Cosmic Disasters: The Future We Want <i>Lt. Col. Devashish De</i>	1
2	Building Capacities for Disaster Resilient Haryana <i>Abhay Srivastava, Bhuwan Kumar and Anshu Tiwari</i>	21
3	Drought variability and its impact on livelihood in Bundelkhand Agroclimatic zone of Madhya Pradesh <i>A. K. Srivastava and Panakj Kumar Singh</i>	35
4	Assessment of livelihood vulnerability to climate change and disasters: The case of marine fishing communities in Visakhapatnam, A.P <i>P. Eswara Rao and M. R. G Naidu</i>	54
5	Best Practices in Heat Wave Management & Toward a Roadmap Development <i>K. R. Sastry</i>	75



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