

## National Level Training of Trainers Programme on “Drought Assessment” 29 January – 2 February 2018

### BACKGROUND

NIDM has been mandated by Sub-section 8 and 9, Section 42, Chapter 7 of Disaster Management Act 2005 to develop training modules and educational materials, undertake training, research, documentation and publication for capacity development and dissemination of knowledge / information related to disaster management, assist in formulation of policies, strategies and frameworks for disaster risk reduction as well as promote awareness among different stakeholders for enhancing human capacity to avoid, prevent, mitigate, prepare, respond and recover efficiently in a proactive, holistic and integrated manner.

The Institute has been organizing various training courses and conducting seminars / workshops / conferences covering wide spectrum of themes at the national and international levels besides publishing several training modules and other documents including case studies, templates and disaster reports.

NIDM has been trying to bring various stakeholders at one platform through activities like India Disaster Management Conference, National Platform for Disaster Risk Reduction, South Asia Policy Dialogue, East Asia Summit for Earthquake Risk Reduction and Asia Ministerial Conference for Disaster Risk Reduction for better networking, linkages and coordination. The recent declarations at the international levels during the 3rd World Conference on Disaster Risk Reduction at Sendai, Japan, Climate Change Summit and Sustainable Development Goals during the year 2015 have also emphasized on collection action and integrated ecosystem based approach for Climate Resilient Safer Sustainable Development.

### INTRODUCTION

The unprecedented drought 2015-16, categorized as one of the worst in the history of our country, affected more than 330 million people in more than 2.5 lakh villages of 266 districts from 11 states. It had a devastating impact on people's lives, as it affected water availability, agriculture, food production and food security, natural resources. It had a large economic impact affecting livelihood and public finances. Meanwhile, the continued drought situation of 2017 in Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and Telangana show that stresses resulting from water scarcity and extreme climate events, starting with these four states in the southern peninsula, yet again affect agricultural production, livelihood and well-being of families in 2017. They confirm recent climate reports report findings on global warming and require urgent action to better prepare and better manage.

The Ministry of Agriculture and Farmers Welfare, Government of India released the revised National Drought Management Manual in December 2016, which incorporates several modifications to the previous 2009 edition, particularly measures to mitigate drought by drawing inputs from programmes and schemes of the government. The implementation of the provisions of the National Drought manual will give surge for greater convergence in the planning and implementation of drought risk reduction interventions. It will provide for the creation of institutional structures at central and state level in better management of drought.

For the effective implementation against the backdrop of the evolving a continuing drought situation in several states it is important to have a relook at the updated policies on drought management, mitigation, recovery and risk transfer mechanisms and measures to better prepare to reduce losses, avoid disruption of critical lifeline services and minimize hardship.

The programme involves senior level resource persons, experts, professionals and functionaries who have very long and meaningful experiences with vast knowledge on the subject. During the programme, there will be presentations panel discussions, exposure visit, exercises, case studies related to recent droughts with examples from India and abroad, sharing of ideas and expertise / skills related different approaches with scope, advantages and limitations as well as issues, challenges and opportunities in management of droughts including the ethical perspectives. Government of India has laid down guidelines, manual, procedures and protocols for drought risk monitoring, assessment and management. The programme will provide information about such documents and key points for drought risk assessment, monitoring and management for efficient risk prevention, mitigation, preparedness, response and recovery efforts to reduce damages and losses from drought events.

It is expected that the programme would serve as a milestone for further actions in enhancing our capacities to reduce the impacts of droughts as part of the national goal to make the country disaster resilient.

- To enhance the human capacity for quick, effective, resilient, reliable proper drought risk reduction and resilience
- To identify the significant role of different stakeholders from various sectors in reducing drought risks during unfavorable and adverse conditions
- To provide tools for drought monitoring and risk assessment
- To improve education, training and awareness related to droughts for decision makers, professionals, and common masses
- To discuss for an effective national strategy that can be applied at different levels across various sectors for efficient risk management
- To develop workable partnerships and linkages / networks among governance, administration, financial, legal and social organizations as well as professional and other stakeholders from media and the public

### OBJECTIVES

At the end of the programme, the participants will be able to

1. Share findings from the drought assessment and reflect on the impacts of successive drought and drought like situation in the past years on the most vulnerable elements

2. Showcase good practices and options to further leverage various national programmes / missions and social protection schemes to mitigate and lessen the impact of drought
3. Discuss challenges and gaps in current risk management practices prevent and reduce the impacts of droughts
4. Share the highlights of the revised provisions of the National Drought Management Manual - 2016 and NDMA Guidelines for incorporation in Drought Risk Reduction & Resilience (DRR&R)
5. Provide recommendations on how to reduce the vulnerabilities related to droughts can be reduced through respective provisions in the revised Drought Manual, as well notification to implement related aspects in the Disaster Management Plans, Standard Operating Procedures on drought mitigation, monitoring and risk assessment / governance and other mechanisms DRR&R.

### TARGET GROUP

The target group for this programme would be Senior Trainers, Officials and Functionaries responsible for training, capacity development, planning, policy, decision making, regulation, risk assessment, prevention, mitigation, monitoring and preparedness for drought risk reduction and resilience, working at the level of Joint Secretaries/Directors/Deputy Secretary/Faculty Members/Field Officers/Disaster Management Officials from the various Central / State / Local Governments as well as representatives from relevant departments / organization like Agriculture, Irrigation, Water Resources / Watershed, Power, Disaster Management Authorities, Administrative Training Institutes, State Institutes of Rural Development, State Agricultural Universities, ICAR, Revenue and Disaster Management, NGOs, CBOs, Academic and Research organizations etc.

### WHY THIS PROGRAMME?

Lack of adequate information and delay in appropriate actions during drought situations, have aggravated the losses and prolonged the recovery process due to successive recurrence of droughts. Senior functionaries in disaster management, media and related organizations can play a significant role in drought risk management and loss reduction. The programme aims to fill this gap in a proactive mode through such efforts.

### ABOUT NIDM

National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India is a premium institute and a Statutory Body (under Disaster Management Act 2005) for training, research, documentation, awareness and human resources and capacity development in the field of disaster mitigation and

management. The institute lays emphasis on multi-stakeholder interdisciplinary cross-sectoral approach for an efficient proactive continuum disaster risk management based on participatory integrated multi-risk management concept. It aims towards a disaster free / resilient India.

#### VENUE AND DURATION

The programme will be held at National Institute of Disaster Management, New Delhi. It will commence at 9:15am on Monday, 29 January 2018 and will conclude at about 6pm on Friday, 2 February 2018. The duration of the training programme will be 5 days.

#### REGISTRATION

The participants of the programme will assemble in NIDM at 9:15 a.m. and will register themselves on Monday, 29 January 2018. NIDM staff will assist them in Registration.

#### PROGRAMME DETAILS

The programme details including the Tentative Schedule are given in the leaf on Tentative Schedule of the programme.

#### EVALUATION OF THE PROGRAMME

The final session of the programme will be devoted to evaluation and valediction at 5:30pm on Friday, 2 February 2018. The participants will be supplied with an evaluation Proforma, which may be completed and handed over to the Programme staff.

#### CERTIFICATE

A Certificate will be awarded to each participant on the successful completion of the programme.

#### HOW TO REACH NIDM?

NIDM is located at 4<sup>th</sup> Floor, A-Wing, NDCC-II Building, Near Jantar Mantar and NDMC Building, Jai Singh Road, New Delhi – 110 001. The Institute is connected by a number of bus routes, but for a stranger, the most convenient mode is to take a pre-paid taxi service from airport, ISBT (Inter State Bus Terminal) or railway stations (New Delhi, Old Delhi and Nizamudin Railway stations).

#### SUGGESTED READINGS

Drought Manual 2016

<http://agricoop.nic.in/sites/default/files/Manual%20Drought%202016.pdf>

Crisis Management Plans (Drought) 2017

<http://agricoop.nic.in/sites/default/files/CMP%202017.pdf>

NDM Guidelines on Management of Drought, September 2010

<http://www.ndma.gov.in/images/guidelines/droughtguidelines.pdf>

#### ORGANIZING TEAM

Supervision & Guidance: **Shri Bipin Mallick, IAS**

Additional Secretary, MHA & ED(I/C), NIDM

Course Coordinator: **Dr. Surya Parkash, Head,**

KMCD & Hymet Disasters Division, NIDM

Co-Coordinator: **Dr. A.D. Kaushik, Faculty, NIDM**

Team Members: **Ms. Gita Sharma, DEO, NIDM**

Logistic and Technical Support: **Mr. Santosh Kumar Tiwari, Librarian, NIDM**

**Mr. Avinash Pandey, Accounts Section, NIDM**

**Mr. S. S. Bisht, Accounts Section, NIDM**

**Mr. J. N. Jha, J.E., NIDM**

**Mr. Rajiv Kumar, DEO, IT Cell, NIDM**

#### For further details or information, please contact the following:

**Dr. Surya Parkash, Ph.D., PGT (Geneva), PGT (Skopje), SDT(Ankara)**

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*Programme Director, Drought Management*

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### **National Level Training of Trainers Programme on DROUGHT ASSESSMENT (29 January – 2 February 2018 at NIDM, New Delhi)**



*Organized by*



### **National Institute of Disaster Management**

Ministry of Home Affairs, Govt. of India

A-Wing, 4<sup>th</sup> Floor, NDCC-II Building,

Jai Singh Road, New Delhi – 110 001

[www.nidm.gov.in](http://www.nidm.gov.in)

**Final Schedule for the National Level Training of Trainers Course on  
DROUGHT ASSESSMENT  
(29 January – 2 February 2018 at NIDM, New Delhi)**

Day / Date	Pre-Lunch Session			Post-Lunch Session		
	930-1015	1015-1130	1145-1300	1400-1515	1530-1630	1630-1730
<b>Monday, 29 January 2018</b>	Registration of Participants	Welcome Course Introduction Intro by participants Address by <b>Shri Bipin Mallick, IAS, AS MHA &amp; ED (I/C), NIDM</b>  Vote of Thanks	Current Status of Drought Situation and Management Practices in India  <b>Prof. Santosh Kumar, NIDM</b>	National Guidelines on Drought Management and An Overview of Drought Manual 2016  <b>Dr. A.D. Kaushik, NIDM</b>	Drought Monitoring, Forecasting and Early Warning – Applications of RS, GIS and GPS  <b>Dr. Shibendu S. Ray, MNCFC / Dr. V.K. Sehgal, IARI</b>	Rainfall related Indices and Impacts of Climate Change  <b>Shri Anand Sharma, AASD, IMD</b>
<b>Tuesday, 30 January 2018</b>	Recapitulation and Exercise	Systematic Approach to Training  <b>Prof. Santosh Kumar, NIDM</b>	Crop Situation based Indices  <b>Dr. V.K. Sehgal, ICAR / Dr. Shibendu S. Ray, MNCFC</b>	Hydrological Indices  <b>Dr. R. P. Pandey / Dr. Rakesh Kumar, NIH</b>	Drought Mitigation and Watershed Management Options  <b>Dr. R.P. Pandey / Dr. Rakesh Kumar, NIH</b>	Other factors in Drought determination and declaration  <b>Dr. Surya Parkash, NIDM</b>
<b>Wednesday, 31 January 2018</b>	Recapitulation and Group Photo	Training Methods and Skills  <b>Shri Shekher Chaturvedi</b>	Process and Procedure for Drought Declaration  <b>Dr. Surya Parkash,</b>	Drought Response & Relief  <b>Dr. Surya Parkash</b>	Rainwater Harvesting, Mitigation Technologies for Water Resources Management and Drought Risk Reduction  <b>Prof. Chandan Ghosh,</b>	
<b>Thursday, 1 February 2018</b>	Recapitulation and Exposure / Demonstration visit	Successive Droughts, Risk Reduction and Resilience with focus on Women and Children  <b>Dr. Ajinder Walia</b>	Drought Contingency Action Plans  <b>Dr. Surya Parkash</b>	Experience Sharing and Role of PRIs and NGOs in Drought Risk Reduction  <b>Prof. Santosh Kumar</b>	Participatory Table Top Exercise on Drought Situation and Management including (i) Food & Water Security (ii) Livestock Management (iii) Alternate Livelihood Options and Cropping Pattern (iv) Contingency Action Plan (v) PDNA  <b>Dr. Surya Parkash and Dr. A.D. Kaushik</b>	
<b>Friday, 2 February 2018</b>	Recapitulation	Presentation of Exercise by Groups  <b>Dr. Surya Parkash and Dr. A.D. Kaushik</b>	Presentation of Exercise by Groups  <b>Dr. Surya Parkash and Dr. A.D. Kaushik</b>	Feedback and Evaluation of the Course  <b>Dr. Surya Parkash and Dr. A.D. Kaushik</b>	Valediction Speech by <b>JS DM, MHA,</b> Certification, Vote of Thanks <b>Faculty, 2IC and JD NIDM</b>	

Tea (1130 – 1145 Hrs.)

LUNCH BREAK (1300 – 1400 Hrs.)

Tea (1515 – 1530 Hrs.)

**NATIONAL INSTITUTE OF DISASTER MANAGEMENT (NIDM)**  
**Ministry of Home Affairs, Govt. of India**  
**Nomination Form**

**Name of the Programme:** National Level **Training of Trainers Programme**  
on **“Drought Assessment”**

**Date & Venue:** 29 January – 2 February 2018 at NIDM, New Delhi

**Name of the Nominee:** \_\_\_\_\_

**Designation:** \_\_\_\_\_ **Age:** \_\_\_\_\_

**Name and Address of the Organisation:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Residential Address:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Telephone: STD Code:** \_\_\_\_\_

**Office:** \_\_\_\_\_ **Residence:** \_\_\_\_\_

**Mobile:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Expectation from the Course:**

\_\_\_\_\_

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**In what way do you think that this training will be useful for you?**

\_\_\_\_\_

\_\_\_\_\_

**Accommodation requirement during training (Required/Not required)**\_\_\_\_\_

**Date:** \_\_\_\_\_

**Name, Designation and  
Signature of the Nominating Authority**

(Please fill all the details in Nomination form for NIDM data base record)