

**Three Days Virtual Training programme on
“Disaster Risk Reduction and Management”
for Officers of Government of Cambodia
under MEA’s e-ITEC Programme to be held online
from 8-10 December, 2021**

Training Title: Virtual Training Programme on “Disaster Risk Reduction and Management”

Participants: Officers of Government of Cambodia responsible for Disaster Risk Reduction Policy and Planning, National Development Planning, Land-use Planning, Local Development and related agencies.

Organiser : Haryana Institute of Public Administration, Gurugram, Haryana, India

Duration : Three Days

Schedule : 8 –10 December, 2021

Training Language : English

Background:

Disaster Management encompasses two major domains viz. Risk Reduction & Management and Emergency Response. Millennium Development Goals (MDGs), Hyogo-Framework for Action (2005-2015), United Nation-International Decade for National Disaster Reduction [UN-IDNDR (1990-2000)], World Summit of Sustainable Development (WSSD, Rio+10), as a sequel of Agenda-21 adapted at UNCTAD, 1992, have made the global community realize and recognize that no development is sustainable if human, life, resources and capital are vulnerable to Disaster risk.

Disaster risk within a country generally has its roots in development decisions that do not adequately address disaster concerns. By not considering Disaster risk in development planning

- a) New risks could be unintentionally created or
- b) Existing ones exacerbated through investments in infrastructure and public services, and through improper planning and regulation. Thus, Disaster Risk Reduction and Management is a core component of sustainable development.
Developing resilience in the Resource Support System (natural and

anthropogenic) and socio-economic functions are therefore prime concerns for reducing vulnerability and for prevention or mitigation of hazards from producing a disaster situation.

As mentioned in the UN-Sendai Framework for Disaster Risk Reduction cooperation, collaboration, and partnerships with organizations and States (Countries) across different sectors, are vital in Disaster risk management and risk governance. In order to deal effectively with disaster & mitigate its impact (Social, Economic and Environment) cooperation provides a valuable platform for sharing of best practices and lessons learnt. The virtual training course on “Disaster Risk Reduction and Management” for Civil Service Officers from Cambodia would therefore be a valuable initiative to create a platform not only for value addition & knowledge on this important subject but also experience sharing with Cambodia. A compendium prepared after the module on sharing of best practices would be a very useful reference tool for the policy makers that would add value to their decision making process in both India & Cambodia.

Aim and Objectives:

The three days on-line training aim to explain the concept of DRR and methodologies for evaluating DRR strategies with respect to hydro-meteorological hazards, including those likely to emerge as a consequence of Climate Change, and to mainstream these in the policy processes. Insights from initiatives taken to reduce other hazards related to hydro-meteorological hazards such as will also be part of the course where they have specific relevance to the main focus of the training.

The key objectives of the training would be :

- i. To identify the challenges and opportunities of Disaster risk and need for Disaster Resilience.
- ii. To emphasise the use of Science & Technology in Disaster Risk Reduction (DRR) and its management.
- iii. To explain methods on how to mainstream Disaster Risk Reduction (DRR) in development planning and decision making for effective management of environmental impact on a country's development.

COURSE CONTENT

Learning Unit 1: Introduction to Disaster Risk Reduction

The first module will provide participants with the basic knowledge on Disaster Risk Reduction (DRR) required to support a detailed understanding of mainstreaming. The module will cover terminologies related to DRR, discuss the comprehensive link between hydro-meteorological Disaster and development, and provide a basic outline on risk assessment and how to use information to guide development decisions.

Learning Unit 2: Strengthening Risk Governance through Science & Technology

This module will cover the risk assessment and management techniques of hydro meteorological disasters. The role of science and technology in the risk assessment and forecasting in India with reference to drought, flood, cyclone & tsunami would be dealt in detail. It will also provide an opportunity for the Civil Service Officers of Cambodia to share their experiences & expertise in the module.

Learning Unit 3: Mainstreaming Hydro-meteorological Disaster Risk Reduction into the development planning process

This module will form the core of the training and will start by providing a detailed explanation of what is mainstreaming and provide a broad framework for mainstreaming Hydro-meteorological Disaster Risk Reduction. The session will aim to break down the national development planning processes of India and Cambodia into key components and suggest approaches for mainstreaming Hydro-meteorological Disaster Risk Reduction into these respective components.

Mode of training:

The programme will be conducted through lectures by distinguished experts who have experience in the field of disaster risk reduction and management and who have experience as leaders both in government and the private sector. The mode of pedagogy will be through lectures for one hour followed by interactive question-answer sessions for one hour. At the end of the programme, an online Google Quiz will be given to the participants to assess their understanding of the training programme. Reading material for each session the programme will be given to the participants.

The medium of instruction will be English.

Programme: 7-10 December 2021

Tuesday, 7 December 2021 – Registration of participants from Cambodia for the training programme

Wednesday, 8 December 2021 Indian Standard Time – First Session (*Cambodia is one and a half hours ahead of India*)

Topic : **“Disaster Risk Reduction Issues and Challenges”**

0900 hrs.	Welcome remarks by Smt. Surina Rajan, Director General, HIPA
0910 hrs.	Inaugural remarks by Shri Dammu Ravi, Secretary (ER), MEA – TBC
0920 hrs.	Introductory remarks by Dr. Abhay Srivastava, Associate Professor (Disaster Management)
0925-1025 hrs.	Shri Rajender Singh, Member, National Disaster Management Authority, Ministry of Home Affairs, Govt. of India
1025-1030	Tea/Coffee break
1030-1130 hrs.	Interactive Session
1130-1140 hrs.	Concluding remarks

Wednesday, 8 December 2021 – Second Session

Topic : **“Hydro-meteorological Disaster Risk Reduction measures and its linkages with sustainable development”**

1400 hrs.	Introductory remarks by Dr. Abhay Srivastava, Associate Professor (Disaster Management)
1410-1510 hrs.	Shri Anil Sinha, IAS (Retd.) Former Vice Chairman, Bihar Disaster Management Authority
1510-1515 hrs.	Tea/Coffee break
1515-1615 hrs.	Interactive Session
1615-1620 hrs.	Concluding remarks

Thursday, 9 December 2021 – Third Session

Topic :	“Flood Risk Assessment and Management”
0900 hrs.	Introductory remarks
0905-1005 hrs.	Dr. Jagdish Prasad Patra, Scientist National Institute of Hydrology, Roorkee
1005-1010 hrs.	Tea/Coffee break
1010-1110 hrs.	Interactive Session
1110-1115 hrs.	Concluding remarks

Thursday, 9 December 2021 – Fourth Session

Topic :	“Drought Assessment and Management”
1400 hrs.	Introductory remarks
1410-1510 hrs.	Dr. R.P. Pandey, Scientist G, National Institute of Hydrology, Roorkee
1510-1515 hrs.	Tea/Coffee break
1515-1615 hrs.	Interactive Session
1615-1620 hrs.	Concluding remarks

Friday, 10 December 2021 – Fifth Session

Topic :	“Flood & Cyclone Forecasting and Warning System in India.”
0900 hrs.	Introductory remarks
0905-1005 hrs.	Dr. Mrutyunjay Mohapatra, Director General, Indian Meteorological Department
1005-1010 hrs.	Tea/Coffee break
1010-1110 hrs.	Interactive Session
1110-1115 hrs.	Concluding remarks

Friday, 10 December 2021 – Sixth Session

Topic : “Tsunami Modeling, Forecasting and Warning System in India”

1400 hrs. Introductory remarks

1410-1510 hrs. Dr. Srinivasa Kumar, Director, INCOIS, Hyderabad

1510-1515 hrs. Tea/Coffee break

1515-1615 hrs. Interactive Session

1615-1620 hrs. Concluding remarks

1620-1630 hrs. Google Quiz

1630-1640 hrs. Assessment and distribution of certificates (online)

1640-1700 hrs. **Valedictory Session :** (a) Summing up remarks
(b) Concluding remarks by His Excellency Ung Sean, Ambassador of Cambodia, New Delhi
(c) Vote of Thanks by Director General, HIPA