

**2-Days Residential Training Programme  
on  
Lightning Risk Management and Safety Measures**

**Date: 28<sup>th</sup> – 29<sup>th</sup> August 2023**

**TENTATIVE SCHEDULE**

Name of Programme	Lightning Risk Management and Safety Measures		
Date	28 <sup>th</sup> – 29 <sup>th</sup> August 2023 (2 days)	No. of Participants	45-50
Target Department	<ul style="list-style-type: none"> <li>• Agriculture and Co-operation Department</li> <li>• Directorate of Animal Husbandry</li> <li>• Forest &amp; Environment Department</li> <li>• Climate Change Department</li> <li>• Revenue Department</li> <li>• Commissioner of Relief</li> <li>• Panchayat, Rural Housing &amp; Rural Development Department</li> </ul>		
Programme Mode	Residential Training Programme		
Address	Gujarat Institute of Disaster Management (GIDM), B/h PDEU, Raysan, Gandhinagar		
Time	Topic	Objectives of the Session	Partner Agency/ Resource person
<b>DAY-1: 28<sup>th</sup> August 2023</b>			
09.00hrs – 10.00hrs	<b>Breakfast</b>	<ul style="list-style-type: none"> <li>• Dining hall</li> </ul>	GIDM
10.00hrs – 10.30hrs	<b>Registration</b>	<ul style="list-style-type: none"> <li>• Online registration of participants</li> <li>• Training kit distribution</li> </ul>	
10.30hrs – 10.45hrs	<b>Pre-Test</b>	<ul style="list-style-type: none"> <li>• Pre-Test of Participants</li> </ul>	
10.45hrs – 11.45hrs	<b>Basics of Disaster Risk Management</b>	<p>At the end of this session participants will be able to:</p> <ul style="list-style-type: none"> <li>• Understand 'Disaster Risk' through Hazards, Exposure, Vulnerability and Capacity components</li> <li>• Describe conceptual framework for Disaster Risk Reduction</li> </ul>	Mr. Shubham Daberao, RAPC - GIDM

		<ul style="list-style-type: none"> <li>Explain that disasters are NOT natural and need for intervention and planning</li> </ul>	
<b>TEA BREAK : 11.45hrs – 12.00hrs</b>			
12.00hrs – 13.00hrs	<b>Evolution of Disaster Risk Management</b>	<p>At the end of this session participants will be able to understand:</p> <ul style="list-style-type: none"> <li>Evolution of disaster management into disaster risk management</li> <li>Paradigm shift in DRR</li> <li>Relevance with SFDRR, SDG's, PM's 10 point agenda</li> </ul>	Mr. Piyush Ramteke, RSPM – GIDM
<b>LUNCH: 13.00hrs – 14.00hrs</b>			
14.00hrs – 15.15hrs	<b>Introduction to Lightning &amp; Thunderstorm Risk</b>	<ul style="list-style-type: none"> <li>Overview of lightning and thunderstorm risk and its potential hazards</li> <li>Understanding the science behind lightning and thunderstorm</li> <li>Statistics and case studies highlighting the importance of lightning risk mitigation</li> </ul>	Ms. Pushpanjali Pradhan, RAPC – GIDM
<b>TEA BREAK : 15.15hrs – 15.30hrs</b>			
15.30hrs – 16.30hrs	<b>Weather-Related Early Warning Systems for Lightning and Thunderstorms</b>	<ul style="list-style-type: none"> <li>Understand the current weather-related early warning systems and their limitations.</li> <li>Explore the latest advancements in lightning detection technologies for more accurate and timely warnings.</li> <li>Learn about advanced thunderstorm prediction techniques using meteorological data and computer models.</li> <li>Discover how real-time data and monitoring networks can be integrated to enhance early warning capabilities.</li> </ul>	Dr. Soma Sen Roy, Scientist (F), IMD
<b>DAY-2: 29<sup>th</sup> August 2023</b>			

10.30hrs – 11.30hrs	<b>Lightning Safety Guidelines &amp; Codes</b>	<ul style="list-style-type: none"> <li>• Essential safety measures during thunderstorms and lightning events</li> <li>• Recognizing safe and unsafe locations during a thunderstorm</li> <li>• Proper response and action plans in the event of lightning</li> <li>• Lightning safety guidelines for infrastructures</li> </ul>	Col. Sanjay Srivastava, CROP-C
<b>TEA BREAK: 11.30hrs – 11.45hrs</b>			
11.45hrs – 13.00hrs	<b>Emergency Response and First Aid</b>	<ul style="list-style-type: none"> <li>• Lightning-related emergencies: injuries, electrical shock, and fires.</li> <li>• Emergency response procedures: first aid for lightning strike victims.</li> <li>• Coordinating with emergency services and providing accurate information.</li> <li>• Conducting drills and simulations for emergency response scenarios</li> </ul>	GVK
<b>LUNCH: 13.00hrs – 14.00hrs</b>			
14.00hrs – 15.15hrs	<b>Case Studies and Good Practices</b>	<ul style="list-style-type: none"> <li>• Examining real-life lightning incidents and their consequences.</li> <li>• Analyzing successful lightning risk mitigation strategies and safety measures.</li> <li>• Sharing best practices from various industries and organizations.</li> </ul>	Col. Sanjay Srivastava, CROP-C
<b>TEA BREAK: 15.15hrs – 15.30hrs</b>			
15.30hrs – 16.30hrs	<b>Post-Test</b>	Post-test of Participants	GIDM
16.30hrs – 17.00hrs	<b>Valedictory Session</b>	Interaction with DG-GIDM/ Director (DM) and Feedback	GIDM

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