

## Two-Day Capacity Building Programme on Nuclear, Radiological, & Explosives Emergency Management

**Date: 20-21 January, 2026**  
**Venue: GIDM Campus, Gandhinagar**

Time	Topic	Objectives	Resource Persons(s)
<b>Day 1</b>			
<b>09:45 – 10:15</b>	<b>Registration</b>	<ul style="list-style-type: none"> <li>Online Registration</li> <li>Briefing</li> </ul>	GIDM
<b>10:15 – 10:30</b>	<b>Welcome &amp; Inaugural</b>	<ul style="list-style-type: none"> <li>Welcome Address</li> <li>Pre-Test</li> </ul>	GIDM
<b>10:45 – 11:30</b>	<b>Radiation Fundamentals, Radiation Safety and Measurements</b>	<ul style="list-style-type: none"> <li>Introduction to radiation and its forms</li> <li>Understanding blast effects, thermal radiation &amp; fallout</li> </ul>	Kakrapar Atomic Power Station (KAPS)
<b>11:30 – 11:45</b>	<b>Tea Break</b>		
<b>11:45 – 13:00</b>	<b>Regulatory Aspects and Response Mechanisms for Nuclear &amp; Radiological Emergencies</b>	<ul style="list-style-type: none"> <li>National &amp; State regulatory framework</li> <li>Response mechanisms and coordination protocols</li> <li>Incident Response Structure fundamentals</li> </ul>	DAE
<b>13:00 – 14:00</b>	<b>Lunch</b>		
<b>14:00 – 15:15</b>	<b>Roles &amp; Responsibilities of Law Enforcement Agencies (LEAs); Security Scenarios &amp; Counter Measures</b>	<ul style="list-style-type: none"> <li>Role of LEAs in NRE incidents</li> <li>Security threat scenarios</li> <li>Countermeasures for prevention &amp; mitigation</li> </ul>	DAE
<b>15:30 – 15:45</b>	<b>Tea Break</b>		
<b>15:45 – 17:00</b>	<b>Health Effects and Medical First Response</b>	<ul style="list-style-type: none"> <li>Health effects of NRE agents</li> <li>Medical protocols &amp; treatment in first response</li> <li>Hospital preparedness</li> </ul>	Subject Matter Expert
<b>Day 1 Wrap up</b>			

Day 2			
10:00 – 11:30	<b>Explosive Threats: Types, Characteristics &amp; Safety Measures</b>	<ul style="list-style-type: none"> <li>Types of explosives and their characteristics</li> <li>Handling and neutralizing explosive threats</li> <li>Safety and Operational protocols</li> </ul>	PESO
11:30 – 11:45	<b>Tea Break</b>		
11:45 – 12:30	<b>Table-Top Exercise (NRE Scenario)</b>	<ul style="list-style-type: none"> <li>Group-based scenario simulation</li> <li>Strengthening decision-making and coordination</li> </ul>	DAE & GIDM
12:30 – 13:30	<b>Group Presentations (Based on Table-Top Exercise)</b>	<ul style="list-style-type: none"> <li>Presentation of group findings and decisions</li> <li>Peer learning and discussion</li> </ul>	DAE & GIDM
13:30 – 14:30	<b>Lunch</b>		
14:30 – 15:30	<b>NRE Response: Issues &amp; Challenges</b>	<ul style="list-style-type: none"> <li>NDRF's Role in NRE Response</li> <li>Operational challenges in real scenarios</li> </ul>	NDRF
15:30 – 16:30	<b>Demonstration of Instruments &amp; Equipment</b>	<ul style="list-style-type: none"> <li>Familiarization with NRE response instruments</li> <li>Hands-on demonstration</li> </ul>	NDRF
16:30 – 16:45	<b>Tea Break</b>		
16:45 – 17:00	<b>Valedictory, Distribution of Certificates</b>	<ul style="list-style-type: none"> <li>Post-Test</li> <li>Vote of Thanks</li> <li>Feedback</li> <li>Handing over certificates</li> </ul>	GIDM & DAE Team