

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

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