

## **Residential Training Program on 'Flood Risk Mitigation & Management for NWRWS&K Dept. Newly Recruited Engineers/Officers'**

**Date: 10-12 June 2025**

Venue: GIDM Campus; b/h PDEU, Gandhinagar

### **PROGRAM NOTE**

#### **Background**

Gujarat, with its extensive flat terrain—particularly across the lower river basins—is highly susceptible to recurring flood events. Major urban centres such as Ahmedabad, Surat, and Bharuch are especially at risk due to their positioning on wide alluvial plains that are prone to waterlogging and river overflow. In 2023, the state experienced a major flooding incident caused by the sudden release of excess water from upstream reservoirs, compounded by intense rainfall in the intermediate catchment areas. This event severely impacted the districts of Narmada, Bharuch, and parts of Vadodara, leaving nearly a hundred riverside villages inundated.

The incident highlighted the urgent need for improved flood preparedness, timely coordination, and strategic water management. In response, a dedicated training program has been developed for newly appointed engineers of the Narmada Water Resources, Water Supply, and Kalpsar Department. The objective is not only to raise awareness of Gujarat's hydrological vulnerabilities but also to equip these professionals with the knowledge, tools, and clarity of roles needed to effectively manage and mitigate flood risks. The program emphasizes proactive planning, real-time response, and a deeper understanding of integrated water resource management in the face of growing climate uncertainties.

#### **Objectives of the Workshop**

1. Understand the unique flood challenges faced by Gujarat.
2. Discuss effective strategies and the role of infrastructure, especially dams, in flood management.
3. Analyze the role of changing weather patterns in increasing flood risks.

4. Introduce innovative technologies for early flood warnings and real-time monitoring.
  5. Introduce participants with the knowledge, tools & modus-operandi available/developed for effective disaster response plans.
  6. Share experiences and lessons from past flood events to refine future strategies.
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### **Course pedagogy**

This in-person training, designed for recently inducted engineers, will comprise presentations, group exercises, discussions, and field visits, facilitated by seasoned trainers in disaster management.

### **Targeted participants**

The workshop is particularly tailored for newly recruited Engineers from Narmada Water Resource, Water Supply, and Kalpsar Department.

### **Organizers**

The workshop, scheduled from 10–12 June 2025, represents a collaborative effort between GSDMA, GIDM, NWRWS&K Dept. and other expert agencies in this field.

### **About GIDM**

The Gujarat Institute of Disaster Management (GIDM) in Gandhinagar has been at the forefront of numerous capacity-building initiatives. Over its tenure, GIDM has imparted training to a vast number of officials, drawing expertise from specialists across the region.

### **Date & Venue**

The workshop will be organized in the Seminar Hall of GIDM, Gandhinagar. The dates of the workshop are 10 to 12 June, 2025.

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