

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

Date: 04-06 December 2023

Venue: GIDM Campus; b/h PDEU, Gandhinagar

Tentative Schedule

Day 1: 04 December 2023

Time	Session	Speaker / Facilitator
10:30-10:50	Registration	GIDM
10:50-11:05	Welcome, Introduction about Training & Inaugural Session	
11:05-11:15	Coffee/Tea Break	
11:15-12:15	Basics of DRM: From Global Trends to National Practices: An Introduction to Disaster Risk Management <ul style="list-style-type: none"> - Global Frameworks, Trends and Challenges, India's Approach, Best Practices - Community and Resilience 	GIDM
11:15-12:15	Session 1: Overview of Flood Risk Mitigation & Management in NWRWS&K Dept. : Salient Points for Officer/Engineer	Shri V. P. Kapadia, Former, Director (Civil), SSNL, Gandhinagar
13:00-14:15	Lunch Break	
14:15-15:15	Session 2: Understanding Flood Disaster: Conceptualizing Hazard, Vulnerability, and Risk <ul style="list-style-type: none"> - Defining the Concepts, Assessing Flood Hazards, Understanding Vulnerability and Risk. 	Shri Yoki Vijay, Director, CWC, Gandhinagar
15:15-15:30	Coffee/Tea Break	
15:30-16:30	Session 3: Exploring the Drivers of Flooding: Natural Triggers, Human Impacts, and Damage Escalation <ul style="list-style-type: none"> - Natural and Human-Induced Causes, Aggravating Factors of Flood Damage, Consequences of Anthropogenic Actions 	Prof. S. M. Yadav, SVNIT, Surat
16:30-17:30	Session 4: Flood Hazard and Vulnerability Assessment: Techniques and Comparisons <ul style="list-style-type: none"> - Assessment Techniques - Data Utilization and Analysis - Comparative Frameworks 	Prof. S. M. Yadav, SVNIT, Surat
17:30-17:35	Wrap-up Day 1	

Day 2: 05 December 2023

Time	Programme	Speaker / Facilitator
10:30-10:35	Recap and plan for the day	GIDM
10:35-11:45	Session 5: Evaluating Flood Threats: Comprehensive Risk Assessment Strategies <ul style="list-style-type: none"> - Risk Modeling - Uncertainty and Sensitivity - Application to Policy and Planning 	Prof. Dhruvesh Patel, Civil Engineering Dept., PDEU, Gandhinagar
11:45-12:00	Coffee/Tea Break	
12:00-13:00	Session 6: Integrating Structural and Non-Structural Strategies for Flood Risk Mitigation	Dr. M. B. Joshi, Former CE, NWRWS&K

13:00-14:00	Lunch Break	
14:00-15:15	Session 7: Readiness Roadmap: Key Measures and Checklists for Flood Preparedness <ul style="list-style-type: none"> - Preparedness Planning, Checklists for Readiness, Technology and Infrastructure 	Shri. Paritosh Shukla, SE, State Water Data Center Gandhinagar
15:15-15:30	Coffee/Tea Break	
15:30-17:00	Session 8: Effective Flood Response: Key Elements and Operational Tactics (Tharad Flood Experience Sharing) <ul style="list-style-type: none"> - Emergency Response - Coordination Mechanisms 	Shri Sanjay Joshi, Former (Director, DM), GIDM, Gandhinagar
17:00-17:10	Wrap-up Day 2	GIDM
Day 3: 06 December 2023		
Time	Programme	Speaker/Facilitator
10:30-10:35	Recap and plan for the day	GIDM
10:35-11:45	Session 9: Early Alerts for Floods: Understanding Warning Systems in Gujarat <ul style="list-style-type: none"> - System Architecture, Community Engagement, Challenges and Improvements 	Shri Yoki Vijay, Director, CWC, Gandhinagar
11:45-12:00	Coffee/Tea Break	
12:00-13:00	Session 10: Safeguarding Communities in Flood Management – Case Study of National Disaster Response Force (NDRF) <ul style="list-style-type: none"> - Pre-flood Preparedness - Response During Floods - Post-flood Recovery and Rehabilitation - Success Stories & Lessons learned from past experiences 	Insp. Rank Officer, NDRF, 6 th Bt., Gandhinagar
13:00-14:00	Lunch Break	
14:00-15:15	Session 11: Recovery and Rehabilitation - Case Study of 2017 & 2023 Gujarat floods <ul style="list-style-type: none"> - Comparative Study - Salient Features - Lesson learnt 	SEOC Visit and session on Rahat Portal, at SEOC, Gandhinagar
15:15-15:30	Teak/Coffee	
15:30-16:45	Session 12: Flood Disaster Preparedness & Response: Issues & Challenges- Gujarat Floods <ul style="list-style-type: none"> - Emergency response planning and management - Evacuation process - Search and rescue 	SEOC Visit and session on Rahat Portal, at SEOC Gandhinagar
16:45-17:00	Closing Ceremony <ul style="list-style-type: none"> o Award of Certificates o Vote of thanks o Closing remarks from GIDM/GSDMA 	GIDM