

Training cum Workshop on

# **Urban Risk Reduction and Resilience: Focus on Solid Waste Management & Drainage System**

Date: 19-21 October, 2023



Organised by



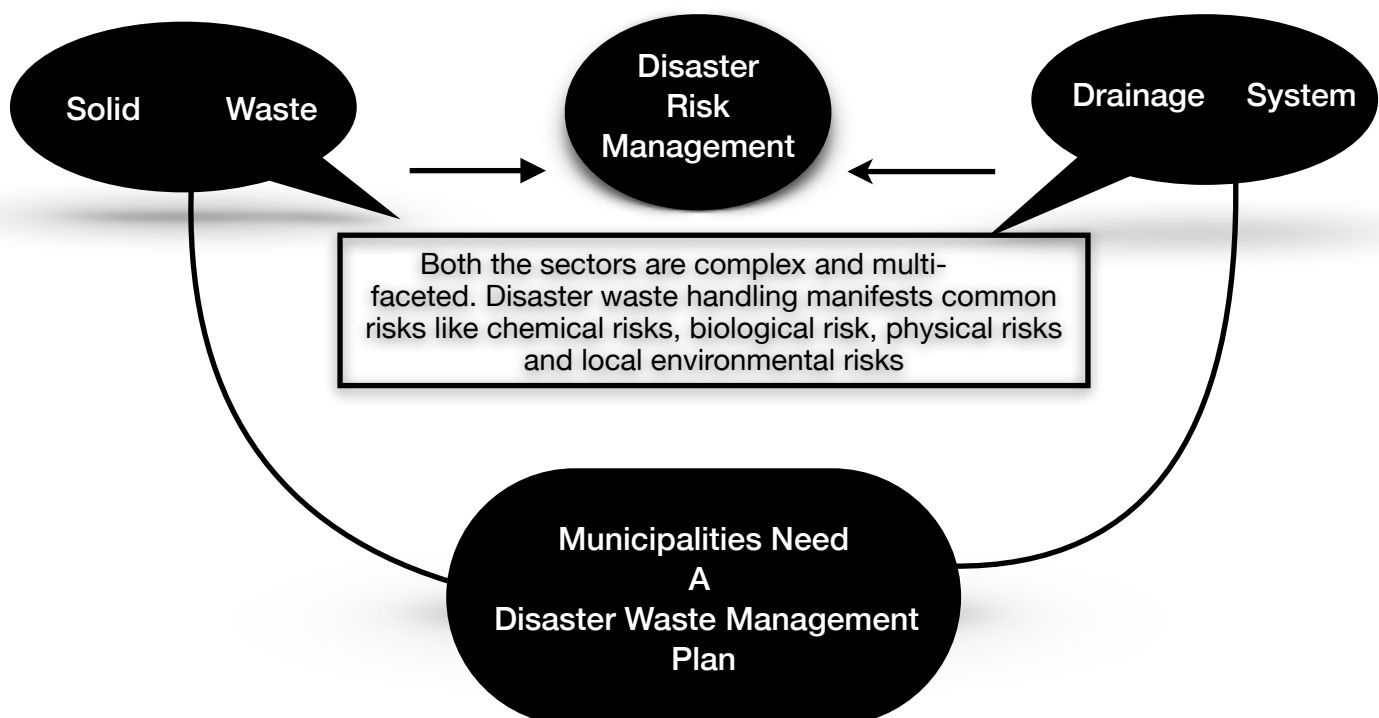
**Gujarat Institute of  
Disaster Management**

## Background

It becomes difficult for city officials during disasters when the solid waste management and drainage system collapses. The safe disposal of solid waste is critical for public health, and is especially true during an emergency. Not only will existing collection and disposal systems be disrupted, but there will be extra waste caused by the emergency itself. Initially, for camps of displaced people or refugees and similar new sites, there will be no arrangements in place at all. If solid waste is not dealt with quickly, serious health risks will develop which will further demoralize the community already traumatized by the emergency. This training program highlights the key issues to consider in managing solid waste during and shortly after a disaster (WHO<sup>1</sup>). Gujarat generates around 12000 MT of domestic waste daily. What happens if any hazard strikes and the waste is handled properly?

## Rationale

During disasters, the problem of solid waste is unprecedented. It includes solid and liquid waste generated from a disaster. There are certain issues that the city administration needs to solve like: issue of collapse of municipal solid waste services, including possible loss of solid waste managers; uncontrolled dumping of healthcare waste from hospitals and clinic; and dumping in inappropriate areas and/or proliferation of scattered dump sites. Public health risks can arise from direct contact with waste accumulated in the streets, hazardous wastes such as asbestos, pesticides, oils and solvents, and indirectly from vectors such as flies and rodents, and from post disaster collapse of unstable structures.



<sup>1</sup> [https://cdn.who.int/media/docs/default-source/wash-documents/who-tn-07-solid-waste-management-in-emergencies.pdf?sfvrsn=17d5009e\\_4](https://cdn.who.int/media/docs/default-source/wash-documents/who-tn-07-solid-waste-management-in-emergencies.pdf?sfvrsn=17d5009e_4)

## **Objectives**

The overall objectives of the training programme are:

- To provide knowledge of urban systems and their resources, resilience, and impacts of climate and disaster risks, and thereby act as a spring for further knowledge multiplication
- To link the gap between solid waste management and drainage systems with disaster risk management.
- To familiarize participants with tools, legislation, and frameworks for the assessment and development of urban resilience
- To infuse informed decisions and systems thinking for improving the quality, efficiency, sustainability, and resilience of urban services
- To improve the field operations.

## **Course Pedagogy**

The training course would be offered in a professional and innovative manner. Conducive conditions will be created for the participants to engage in meaningful dialogues and discourses on the course content. The training will be held in person, facilitated by expert trainers from the industry and academia, and joined by international guest speakers. The training will include presentations, group exercises, discussions, and field visits. The course is designed in such a way that participants will be able to link with the problem of solid waste management with disaster management.

## **Target Participants**

- Practitioners like Engineers, Town Planners, Architects from Municipal Corporations, Municipalities, Area Development Authority, Town Planning and Valuation Department, Office of Commissioner of Municipalities Administration and Urban Development Authority from Urban Housing and Urban Development Department.
- Batch Strength 30-40

## **Location**

- **Gujarat Institute of Disaster Management (GIDM)**, B/h Pandit Deendayal Energy University, Koba-Gandhinagar Highway, Raisan Village, Gandhinagar - 382007 Gujarat (INDIA)  
| Ph.: (079) 23275801 | Fax: (079) 23275814

### **Course Coordinator**

- **Shubham M. Daberao, Research Associate & Program Co-ordinator**
- Mobile: 7574800260 Email: [rapc2-gidm@gujarat.gov.in](mailto:rapc2-gidm@gujarat.gov.in)

### **Registration**

The registration for the training program is open. The registration can be done through the link or through scanning the QR code.

Link: <https://forms.gle/HWcPZTrjsRR6Pqa76>

QR code for Registration



QR code for WhatsApp  
Group

