

4. Training Module on Disaster Management for Police Department

Aim of the Course:

The course aims at developing skills and capacity of the officers working as disaster management teams to effectively manage different phases of disasters in district.

Objectives:

At the end of the course, participants will be able to;

- ✓ Define the concepts and terminology in disaster management and identify the specific problems in the district
- ✓ Describe the role & responsibilities during the disasters
- ✓ Conduct assessment of disaster vulnerability of a location and vulnerable groups analysis manmade disasters
- ✓ Explain safety measures for bomb explosives
- ✓ Describe steps for SoP and ESF of police department
- ✓ Describe the search, rescue techniques through mock drills
- ✓ Prepare the draft district disaster management plan for Police Deptt.

Methodology:

The course uses participatory techniques such desk exercises, case studies, projects, demonstrations, mock drills, action planning, micro-films and lessons in the course.

Expected Outcome:

- Practice and rehearse the search, rescue and response action plans
- Apply tools for risk analysis for manmade disasters
- Participants would prepare disaster management plan as follow up of the course

Target Group:

The target group for this programme would be officers/trainee officers of Police Department of Karnataka involved in activities related to provide law and order, search and rescue, and response during disasters.

Validation:

The final session of the programme will be validated by using immediate reaction questionnaires and oral feedback by the participants at the end of the course.

Contents

The following five modules would constitute the course contents;

Module 1: Principles of disaster management (Natural disasters, hazard, risks and vulnerability).

Module 2: Assessment of disaster vulnerability (Manmade disasters) of a location and vulnerable groups.

Module 3: An overview of country, state and district level administrative, institutional and techno-legal regime structure of disaster management.

Module 3: Search and rescue teams (District and local SAR teams and volunteers and their coordination).

Module 4: Developing departmental Disaster Management Plans (SOPs, ESF of police).

Module 5: Emergency communication systems.

Module 6: Role of Civil Defense, Fire Services, Home Guards etc in Disaster Management.

Module 7: Working with armed forces during disasters.

Training Design on Disaster Management for Police Department

Day 1 - Session 1 & II	
Topic	<i>Introductory Activity</i>
Contents	<p>Introduction of Course Team and Faculty</p> <p>Introductory diversion</p> <p>Expectations of participants</p> <p>Expectations of trainers</p>
Session Objective	<p>Participants will be able to;</p> <ul style="list-style-type: none"> • Share experiences in Disaster Management • List expectations from the course • Introduce themselves • Set ground rules for the course
Expected Outcome	<p>Listing of Expectations from the course</p> <p>Setting Ground Rules for Trainees and Trainers</p> <p>Limitations and scope of the training</p>
Method	<p>Introductory diversion</p> <p>Eliciting responses and Eliciting reactions</p>
Process	<p>Resource persons to introduce themselves, welcome the participants warmly.</p> <p>Introductory games: Participants to pair up and talk to each other - about their work, their families, their interests, their hobbies, etc. Participants will then introduce their partners in the plenary, so that all other participants get to know each other.</p> <p>Resource persons to define the objectives of the course and elicit the expectations of the participants from the course. Based on the above, the resource team may reset the course objectives. It is important that the resource team provide space and time for the participants to freely share their experiences and opinions, since the issues that emerge from their experiences will form the basis of the objectives of the course.</p>
Performance Aids	Checklist, Flow Chart

Media	White Board/LCD Projector/PPT
Trainers	Course Director and Faculty ATI
Time	02:00 Hours
Day 1 - Session III & IV	
Topic	<i>Disaster Management, HRVC Analysis & Disaster Profile</i>
Contents	<ul style="list-style-type: none"> - Concept of Disaster Management - Risks and Vulnerability analysis - Risks Assessment Tools - Disasters in Karnataka - Disaster Management Plan
Session Objective	<p>Participants will be able to;</p> <ul style="list-style-type: none"> • Identify Hazards and Vulnerability • Recognize concept of Disaster Management • Analyse HRV of the city • Use risk assessment tools • List steps in preparation of Disaster Management Plan
Expected Outcome	Will be able to prepare DMP and rehearse it
Method	PPT, Lesson, Micro film, Case study and Discussion
Process	<p>The resource person will give the brief presentation on the past history on the disasters occurring in different district in Karnataka and also will explain the concept on the changing scenario of disaster management being taken place during the recent past.</p> <p>Further the resource person will conduct a group exercise for five minutes on Hazards and Impact v/s Frequency of Hazards in the District. One representative from each group will present the group outcome.</p> <p>This will be followed by a pictorial presentation by the resource person on hazards, risks, tools of risk assessment, steps to mitigate the impact of hazards and preparation of DMP. A few case studies will be</p>

	illustrated during discussion.
Performance Aids	Checklist
Media	White Board/LCD Projector/PPT/ Hand outs
Trainers	Faculty ATI
Time	02:00 Hours
Day 1 - Session V & VI	
Topic	<i>Urban Risks due to Bomb blasts and Bomb Disposal Safety : Demonstration of equipment and materials followed by presentation</i>
Contents	<ul style="list-style-type: none"> - Types of Bombs - Impact of Bombs - Preventive measures - Safety precautions in bomb disposal - Demo of bombs - Cases of bomb explosions in different parts
Session Objective	<p>Participants will be able to;</p> <ul style="list-style-type: none"> • identify the precautions and preventive measures to be taken during bomb threats and disposal
Expected Outcome	Identify different forms of bomb threats and disposal methods
Method	PPT, Demonstration, case study and Discussion
Process	The resource persons make a pictorial presentation of different incidents of bomb explosion, bomb threats and bomb disposal procedures adopted by Bomb squad. This will be followed by demonstration of different explosive materials being used in bombs. A few cases of bomb explosions are presented. Finally, the preventive and safety precautions for community and school children are discussed.
Performance Aids	Models of bombs
Media	White Board/LCD Projector/PPT/ Hand outs
Trainers	Bomb Squad from Karnataka Police

Time	02:00 Hours
Assessment	Question answer
Day 2 - Session I	
Topic	<i>An overview of country, state and district level administrative, institutional, and techno-legal regime structure of disaster management</i>
Contents	<ul style="list-style-type: none"> - Administrative & institutional setup in different levels - Structure of Disaster Management Act - Role & Responsibilities of Officers
Session Objective	Participants will be able to; <ul style="list-style-type: none"> • explain the salient features of the Disaster Management Act • Identify the role & responsibility
Expected Outcome	Application of provisions of the Act related to DMP. Penalty, Roles and responsibilities of Officers, Line departments and DMA.
Method	PPT and Discussion/ Question answer
Process	The Resource Person will make a PPT on Disaster Management Act-2005. Following point will be covered in the presentation; <ul style="list-style-type: none"> • Background behind Disaster Management Act-2005 • Terminologies • Organizational structure for Disaster Management at District/ State/National levels • Roles of DDMA/SDMA • DMP provisions • Roles and Responsibilities of DMA/Departments/Officers • Penal provisions
Performance Aids	Disaster Management Act 2005
Media	White Board/LCD Projector/PPT/ Hand outs
Trainers	Faculty ATI
Time	1:00 Hour
Assessment	Test for few minutes
Day 2 - Session II	

Topic	<i>Emergency Communication System (ECS) and Incident Command System (ICS)</i>
Contents	<ul style="list-style-type: none"> - Concept & Procedure - Planning & Preparation - Implementation - Situation Analysis - Reporting
Session Objective	<p>Participants will be able to;</p> <ul style="list-style-type: none"> • Describe the advantages of ECS • Explain the different steps of ICS
Expected Outcome	Participants will be able to use the ECS and apply the ICS for handling the disaster situations.
Method	PPT and Discussion/ Question answer
Process	<p>The resource persons will make the presentation on the concepts, procedure and functions of ECS and ICS. And also, some the existing system on ECS will be discussed with participants.</p> <p>This will be followed by the discussion, question and answers between the participants and resource person on the ECS & ICS and list out the learning points.</p>
Performance Aids	ECS equipments
Media	White Board/LCD Projector
Trainers	Police Deptt./Mysore City Corporation
Time	01:00 Hour
Assessment	Question and answering and list out learning points
Day 2 - Session III & IV	
Topic	<i>Role of Civic Defences, Fire Services, Home Guards & Volunteers in Search & Rescue Operations during disasters</i>

Contents	<ul style="list-style-type: none"> - Hazards - Role & Responsibilities of different deptt. - Coordination, Search & Rescue Teams - Search & Rescue Operations - First Aid
Session Objective	<p>Participants will be able to;</p> <ul style="list-style-type: none"> • Describe the role & responsibilities of different deptt. • Coordinate the search & rescue teams • Explain the first aid techniques
Expected Outcome	Participants will be able to coordinate between the different departments for better rescue and first aid during disasters.
Method	PPT, Case study and Discussion
Process	The resource person will make a PPT followed by discussion on different search & rescue methods, the individual role and responsibilities of the different service departments, action plans to take the necessary steps for provide immediate rescue and medical aids to the deceased.
Performance Aids	Nil
Media	White Board/LCD Projector/PPT/ Hand outs
Trainers	Police/Fire/Home Guards Deptt.
Time	02:00 Hours
Day 2 - Session V & VI	
Topic	<i>Mock Drill - Search and Rescue Operations during Disasters</i>
Contents	<ul style="list-style-type: none"> - Fire hazards - Emergency - Application & Demonstration - Search & Rescue

	- First aid
Session Objective	Participants will be able to; <ul style="list-style-type: none"> • Describe the causes for fire hazards • Recognize the application of fire control equipments • Explain the rescue methods • Rehearsal through mock drill
Expected Outcome	Will be able to prepare preparedness plan for fire fighting and rescue during disasters
Method	PPT/Case study/Demonstration/Rehearsal/Discussion
Process	The resource person will give the brief information about the mock drill rehearsal for effective management during disasters - incident of fire hazard occurred in a building, application of ECS & ICS and participation of concerned departments in the search, rescue and medical aids to the deceased.
Performance Aids	Checklist/Equipments/Materials for fire
Media	White Board/LCD Projector/PPT/ Hand outs
Trainers	Fire & Emergency Services, Commandant, Home Guards , Police Deptt. & Health Services
Time	02.00 Hours
Assessment	Practice, Question and answering and list out learning points
Day 3 - Session I & II	
Topic	<i>Developing departmental DM plans (Standard Operating Procedure & Emergency Support Function of Police)</i>
Contents	<ul style="list-style-type: none"> - HRVC Analysis - Tools for risk assessment - SoP & ESF - Steps in DMP
Session Objective	Participants will be able to;

	<ul style="list-style-type: none"> • Explain HRVC • Apply tools for HRVC • Explain SoP & ESF • Steps for DMP
Expected Outcome	Use SoP & ESF and HRVC tools for preparing DMP
Method	Presentations and Group Exercise
Process	The Resource Person will discuss the HRVC analysis and present the tools for HRVC analysis followed by SoP and ESF. Later DM plan guidelines will be discussed for the preparation of department specific plan and also existing plans will be discussed by resource person.
Performance Aids	Nil
Media	White Board/LCD Projector/PPT/ Hand outs
Trainers	Faculty ATI
Time	02:00 Hour
Day 3 - Session III & IV	
Topic	<i>Working with Armed Forces during Disasters</i>
Contents	<ul style="list-style-type: none"> • Activities of armed forces • Role of armed forces during disasters • Methods of search & rescue techniques adopted by armed forces • Coordination with civilian departments
Session Objective	Participants will be able to; <ul style="list-style-type: none"> • Explain the role of armed forces during disasters • Describe the steps for coordination with civilian departments
Expected Outcome	Coordination and quick response to the Disaster Situation
Method	PPT and Discussion/ Question & answer
Process	The RP will make a pictorial presentation on activities, role and responsibilities of the armed forces. During presentation, instances of

	<p>how the armed forces have conducted the search and rescue operation during the disasters will be presented. And also how the armed forces can effectively deliver their services in coordination with civilian departments.</p> <p>The RP will also demonstrate the equipments being used for search and rescue purposes during disasters.</p>
Performance Aids	Equipments & other related materials
Media	White Board/LCD Projector/PPT/ Hand outs
Trainers	Commandant, Madras Engg. Group, Bangalore
Time	02:00 Hour
Day 3 - Session V	
Topic	<i>Role of RS & GIS for Response Planning in Disaster Management</i>
Contents	<ul style="list-style-type: none"> • Introduction to Remotes Sensing and GIS • Uses of Remote sensing and GIS • Preparation of maps • Steps to adopt GIS
Session Objective	<p>Participants will be able to;</p> <ul style="list-style-type: none"> • Explain the uses of Remote Sensing and GIS in Disaster Management • Describe the steps in preparing maps/data base using GIS • Adopt GIS in DMP preparation
Expected Outcome	Use of GIS in DMP
Method	PPT and Discussion/ Question & answer
Process	The RP will make a pictorial presentation on Remote sensing and GIS applications. During presentation, instances of how the Remote sensing data and GIS are synchronized to prepare maps will be presented. Particular focus on the use of GIS in preparing DMP will be illustrated with examples.
Performance Aids	Nil

Media	White Board/LCD Projector/PPT/ Hand outs
Trainers	Faculty ATI
Time	01:00 Hour

Programme Schedule

Day/Sessions	Topic
Day One 9.30 AM - 11.30 AM	Registration Eliciting expectations and course objectives Inauguration
11.45AM - 01.45 PM	Principals of Disaster Management - concepts and Terminology, HRVC analysis for natural & manmade disasters and Disaster profile of the State
02.30 PM - 04.45 PM	Urban risks due to bomb blasts and bomb disposal safety : <i>Demonstration of equipment and materials followed by presentation</i>
Day Two 09.30 AM - 10.30AM	An overview of country, state and district level administrative, institutional, and techno-legal regime structure of disaster management
10.30 AM - 11.30 AM	Emergency communication system (ECS) & Incident Command System (ICS)
11.45AM - 01.45 PM	Role of Civil Defences, Fire Services, Home Guards & Volunteers in Search & Rescue during Disasters
02.30 PM - 04.45 PM	Mock drill on Search, Rescue & First Aid Operations during Disasters
Day Three 09.30 AM - 11.30 AM	Developing departmental DM plans (SoP & ESF of police)
11.45 AM - 01.45 PM	Working with armed forces during disasters
2.30 PM - 03.45 PM	Application of GIS for response planning in disaster management
04.00 AM - 04.45 PM	Internal Validation