

**National Workshop on Preparedness
for dealing with Chemical Accidents
Presentation by Chief Inspector of
Factories, Tamil Nadu**

**I. Implementation Status of MSIHC Rule
1989 and 2000**

- There are 117 factories have been identified as MAH Factory.

Types of Industries are

- ❖ Petroleum refinery
- ❖ Petroleum Oil Storage installation
- ❖ LPG Bottling Plant
- ❖ Petrochemical Industry
- ❖ Chlor-Alkali Plant
- ❖ Fertilizer Industry
- ❖ Pesticide formulation Industry

- ❖ Distillery Units
- ❖ Paint-Industry
- ❖ Power Plant Using Naphtha
- ❖ Industries using chlorine for water treatment
- ❖ Industries using LPG for its operation

- ❖ Explosive Unit
- ❖ Pharmaceutical Unit
- ❖ Industrial gases unit producing Oxygen, Hydrogen, Silane.
- ❖ PVC Plant using VCM

109 Units have prepared Onsite Emergency Plan and submitted to Chief Inspector of Factories. Other 8 units have taken action for preparing Onsite Emergency Plan.

- Off-site Emergency Preparedness Plan
 - (i) Districts have common Off-site Emergency Preparedness Plan.
 - (ii) Factories have prepared Off-site Emergency Prepared Plan.

SAFETY AUDIT

- 46 MAH Units are statutorily required to conduct external Safety Audit.
- Reports as received from these MAH Units are received by the State Level Safety Audit Cell comprising of experts in Safety, Health & Environment.
- Safety Audit Cell recommendations are communicated to the management in the form of Improvement Notice.

(2) Implementation Status of chemical Accident (EPP & R) Rules 1996

State Crisis Group

- State Crisis Group has been reconstituted in G.O.(Ms)No. 135, Environment & Forests (EC2) Department, dated: 7.12.07.
- Chief Secretary is the Chairman of the State Crisis Group.
- Secretary, Labour and Employment Department is the Member Secretary.

▪ **Other members**

Officials from various Government Department, experts and representative from Industry.

The meeting of State Crisis Group was conducted on 28.7.08.

Steps to be taken to reduce Industrial Chemical Accident were discussed.

(2b) District Crisis Group

- District Crisis Group has been constituted in 22 Districts.
- District Collector is the Chairman of the District Crisis Group.
- Deputy Chief Inspector of Factories is the Member Secretary of the District Crisis Group.

(2C) Local Crisis Group

- Local Crisis Group has been constituted in 11 Industrial Cluster.
- Revenue Divisional Officer is the Chairman of the Local Crisis Group.
- Deputy Chief Inspector of Factories/Inspector of Factories is the Member Secretary of the Local Crisis Group.

(4) Preparedness for Chemical Disaster Management at District Level and Local Level

- Meetings are regularly conducted.
- To provide expert guidance for handling chemical accidents.

(6) **Capacity Building for regulatory authorities.**

The Regulatory Authorities involved in Chemical Disaster Management are

1. District Collector/Divisional Revenue Officer/RDO
2. Chief Inspector of Factories/Deputy Chief Inspector of Factories/Inspector of Factories
3. District Environmental Engineer (Tamil Nadu Pollution Control Board)
4. Police Authorities
5. Fire and Rescue Services Department
6. District Health Officer
7. Transport Authorities
8. Local Panchayat

• THE INITIAL STEP WHICH HAS BEEN TAKEN FOR THE CAPACITY BUILDING OF THESE REGULATORY AUTHORITIES IS TO GIVE THEM A TRAINING PROGRAMME ON THE FOLLOWING KEY ITEMS:-

- a. The inventory of Hazardous chemicals handled in the factories of that particular Industrial belt.
- b. The MSDS of these Hazardous Chemicals.
- c. The nature of chemical emergencies and the consequences due to such emergencies.
- d. The vulnerable group in the local community.
- e. Facilities which are available in the respective MAH/ hazardous factories for tackling the chemical emergency.
- f. The clearly defined duties & responsibilities assigned to each of these regulatory authorities.
- g. The rules & responsibilities of the key personnel in each of the local MAH/hazardous factories.