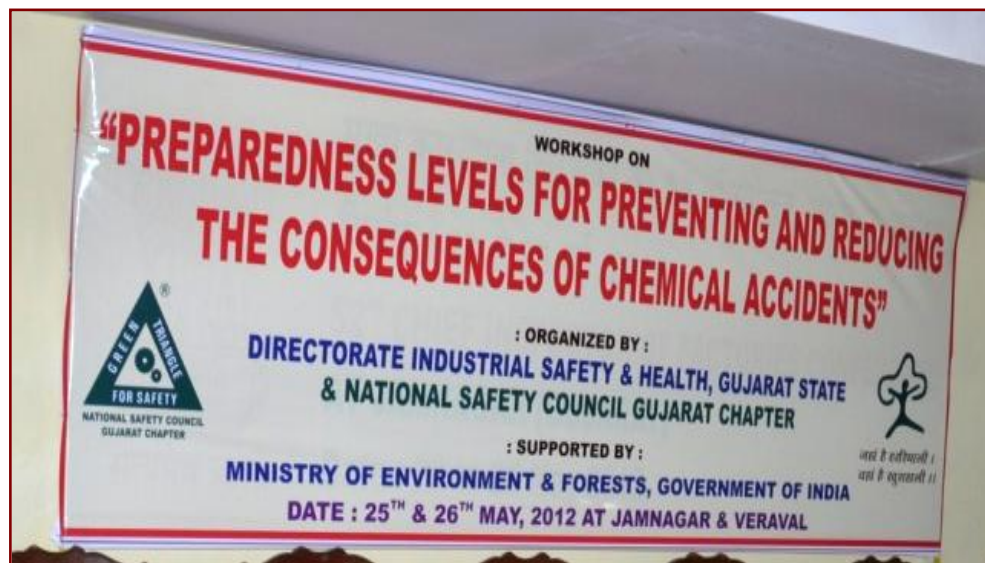


**Report on  
Workshop for  
“Preparedness Levels for Preventing and Reducing  
the Consequences of Chemical Accidents”**



**Essar Oil Club, Po – Baid, Khambhalia Highway,  
Near Nandniketan Essar Township,  
Jamnagar – 361 006 (Gujarat)**

**Dated 25-26 May 2012**

## **Executive Summary**

- Title:** : Workshop for “Preparedness Levels for Preventing and Reducing the Consequences of Chemical Accidents” Jamnagar (Gujarat)
- Thrust Area** : Familiarization of Preparedness Levels for Preventing and Reducing the Consequences of Chemical Accidents
- Targets:** : All the Chief Inspector of Factories / Director of Industrial Safety & Health from all the State / Union Territory of the Country
- Institution Involved:** :  
1. Ministry of Environment & Forests Government of India  
2. Director Industrial Safety & Health, Gujarat State  
3. Director Industrial Safety & Health, Maharashtra State  
4. Essar Oil Ltd. Jamnagar  
5. Reliance Industries Ltd. Jamnagar  
6. Indian Rayon (Group of Aditya Birla) Veraval
- Workshop Objectives:** : Familiarization of Preparedness Levels for Preventing and Reducing the Consequences of Chemical Accidents and Best Practices adopted by the factories in the State of Gujarat
- Number of Participants** : 59 including all CIFs and Officers from other Organization
- Start: dd/mm/yy** : 25/05/2012
- End: dd/mm/yy** : 26/05/2012
- Venue** : Essar Oil Club, Po – Baid, Khambhalia Highway, Near Nandniketan, Essar Township, Jamnagar – 361 006
- Contact for more information** : Director, Industrial Safety & Health, Gujarat State & National safety Council-Gujarat Chapter
- Resource Persons** :  
(1) Mr. D. C. Chaudhari, (DISH-Gujarat),  
(2) Mr. B. P. Parmar (NSC-GC, Ahmedabad)

## 1.0 Background

The Ministry of Environment & Forests, Government of India is the nodal Ministry for the Management of – Chemical accidents and supports training program / workshop on prevention and management of Chemical accidents.

The 9th meeting of the Central Crisis Group was held on 22nd June 2009 at Delhi and committee has expressed its satisfaction on preparedness levels of the two States - Gujarat and Maharashtra for preventing and reducing the Consequences of Chemical Accidents in Gujarat State and complemented the good work being carried out by the two States, in the meeting. Committee has suggested that other States should also establish similar mechanism for ensuring chemical safety. It was decided in the meeting that workshop be organized at Mumbai and Ahmedabad inviting other States to familiarize them with the initiatives taken in Maharashtra and Gujarat.

In the above context Director, Industrial Safety & Health, Gujarat State has jointly organized with National Safety Council Gujarat Chapter, a workshop on “Preparedness Levels for Preventing and Reducing the Consequences of Chemical Accidents” on 25th & 26th May 2012, at Jamnagar and Veraval, Gujarat.

## 2.0 The need of the program

Compliance of the suggestion made by the Central Crisis Group meeting dated 22nd June 2009 at Delhi

## 3.0 Welcome by Shri B. P. Parmar, Secretary National Safety Council-Gujarat Chapter



Shri B. P. Parmar welcome the dignitaries present in the workshop on behalf of Director, Industrial Safety & Health, Gujarat State and National Safety Council-Gujarat Chapter,

he especially welcome Dr. Chhanda Chowdhury, Director, Ministry of Environment & Forests Government of India, DG, DGFASLI, and the Officers present in the Workshop for “Preparedness Levels for Preventing and Reducing the Consequences of Chemical Accidents” at Jamnagar (Gujarat)

#### **4.0 Introductory Speech by Mrs. Dr. Chhanda Chowdhury, Director, MoEF, GOI**



Dr. Chhanda Chowdhury in her introductory speech said the importance of chemical hazard and its environmental hazard. She gave emphasis on safe handling of hazardous chemicals and first few steps after incidence. She told about the importance of crisis management plan. She appreciated the best practices adopted by

Maharashtra and Gujarat. She explained the role of MoEF as nodal agency.

#### **4.0 Presentation by Shri P. M. Shah, Joint Director, Industrial Safety & Health, Vadodara Region**

Shri P. M. Shah, Joint Director, Industrial Safety and Health, Vadodara Region, Vadodara, Gujarat in his presentation stated that Gujarat has 37546 registered factories including 390 MAH factories. having strategically inspection policy. Emphasis is given to safety inspections in place of general inspections. He narrated significant



safety aspects adopted in storage and process in chemical factories in Gujarat. DISH Gujarat has prepared guidelines for preparing on-site and off-site emergency plans. Last updation of State Crisis Plan is made in March 2011. All 26 districts have prepared off-site emergency plans, rehearsal of which is carried out every year. All 39 local crisis

groups have prepared their emergency plans. DISH has departmental website, Web-based application software (IDMIS), websites on chemical and non chemical industries are developed and hosted. 10 control rooms are developed. 8 PDIS institutes, 3 safety supervisors' training institutes and 17 workers training institutes are recognized in the State. National Level mock drill was carried out in 2008 at Hajira. Regular safety awareness programs are carried on.

#### **6.0 Presentation by Shri V. S. Moray, Director, Industrial Safety & Health, Maharashtra State**



Shri V. S. Moray, DISH, Maharashtra told there are 42562 registered factories including 369 MAH factories in Maharashtra. Rigorous inspection and follow-up method is followed for compliance. Maharashtra has 30 DCG and 58 LCG. Identity cards are issued to DCG members. 27 off site DMP are prepared.

Maharashtra has taken MARG initiative for handling chemical emergencies. 3672 drivers transporting hazardous chemicals are trained. 3060 Policemen are also trained.

#### **7.0 Shri G. Bala Kishore, Director of Factories, Andhra Pradesh**

Shri G. Bala Kishore, Director of Factories, Andhra Pradesh said that there are 23 districts with more than 45000 factories including 162 MAH factories in 21 districts. Emphasis is given on MAH, A, B category factories for preparedness level which includes chemical disaster due to natural calamities. Emphasis is given on BBS. There are 5 industrial emergency centers in Andhra Pradesh. Work plan is prepared for DISH Department.



## 8.0 Presentation by Dr. Gopal Jayaraman-Head HSEF, Essar Oil Ltd. Jamnagar



Dr. Gopal Jayaraman- Head HSEF, Essar Oil Ltd. Jamnagar made presentation on best practices adopted by Essar Oil Ltd, Jamnagar, Gujarat. He made all delegates familiarization with their HSEF practices, Cause of Accident, Safety Rules, Road Loading Facilities, Infrastructure, Oil Jetty, Modern Maintenance Workshop,

Fire Fighting & Fire Protection, Ultra Modern Laboratory, Effluent Treatment Plant, Green Belt, OHC, Health Care, Learning Center, Risk Assessment, Hearing Conservative drive, ergonomic programs etc.

## 9.0 Presentation by Shri S. Ramachandran-HOD Safety, Reliance Industries Ltd.

Shri S. Ramachandran-HOD Safety, Reliance Industries Ltd., Jamnagar made presentation on best practices adopted by Reliance Industries Ltd. like Human Value, Safety Management Principle, Ambition, Proactive Management, Process Safety Management, Safety Culture, Hazard Mitigation, and Safety Campaign



## 10.0 Dr. Bir Kapoor, Unit Head, Indian Rayon Limited, A Group of Aditya Birla Nuvo Limited, Varaval



Dr. Bir Kapoor, Unit Head briefed by giving the detailed implementation of DuPont initiatives in reference to the Safety Transformation adopted by Aditya Birla Nuvo Limited Varaval, as Continuous journey towards excellence in safety initiatives.

**11.0 Vote of Thanks by Shri U. R. Soni, Joint Director, Industrial Safety & Health, Rajkot Region**



On behalf of Director Industrial Safety & Health, Gujarat State and National Safety Council – Gujarat Chapter, Shri U. R. Soni, Joint Director, Industrial Safety & Health, Rajkot Region expressed vote of thanks to Dr. Chhanda Chowdhury, Director Ministry of Environment & Forests, Government of India, Officials of DGFASLI, Mumbai, all CIFs from other States of the Country and

all the organizations supported in organizing the Workshop.