



THREE DAYS ONLINE TRAINING REPORT ON  
**FIRE & EMERGENCY PREVENTIONS MEASURES FOR  
INDUSTRIES**

Prime Minister's 10 Point Agenda on DRR: 1, 4 & 8

28<sup>th</sup> – 30<sup>th</sup> September, 2021 | Time: 14:30 to 16:30 Hrs (IST)



Jointly organized by:

**National Institute of Disaster Management  
Ministry of Home Affairs, Govt. of India  
New Delhi**

**&**

**National Fire Service College (NFSC), Nagpur**

Flyer:



75  
Azadi Ka  
Amrit Mahotsav



nidm  
Resilient India - Disaster Free India



सत्यमेव जयते



**National Fire Service College (NFSC), Nagpur**  
&  
**National Institute of Disaster Management (NIDM), MHA, Govt. of India**  
is jointly organizing a 3 days Online training program on

**'Fire & Emergency Prevention Measures for Industries'**

**28<sup>th</sup> -30<sup>th</sup> Sept, 2021 Time: 14.30 to 16.30 Hrs (IST)**

**Prime Minister's 10 Point Agenda on DRR: 1, 4 & 8**



**Patrons**



Maj Gen M K Bindal  
Executive Director,  
NIDM, MHA, Gol



Mr. Taj Hassan, IPS,  
Director General (FS, CD & HG),  
MHA, Gol

**Guidance**



Dr. Chandan Ghosh,  
Professor & Head, Resilience  
Infrastructure Division,  
NIDM, MHA, Gol



Dr. D.K Shami,  
Fire Advisor, MHA, Gol  
& Director, NFSC, Gol

**Convener**



Dr. Garima Aggarwal,  
Senior Consultant, Resilience  
Infrastructure Division,  
NIDM, MHA, Gol

**Eminent Panel of Experts**



Mr. S.S. Warik,  
Director, Maharashtra Fire  
Services and CFO, MIDC



Mr. Hirak Dutta,  
Executive Director, Oil  
Industry Safety Directorate



Mr. TRA Krishnan,  
Fire Safety & Systems  
Advisor



Ms. Keerthi D'Souza,  
Managing Director, Life  
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Dr. Ramesh VM.  
Senior Manager  
(Fire and Safety) (Retd),  
BPCL -Kochi Refinery

**Coordinators**



Dr. Gouthamkumar Nadakuditi  
Assistant Professor,  
Department of Fire Engineering, NFSC



Ms. Susmita Paul  
YP, Resilience Infrastructure  
Division, NIDM, MHA, Gol

**NIDM Training Portal**  
Register yourself, then enroll for the upcoming Programme  
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Day 1 - <https://youtu.be/WaKs6idf4wc>  
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Day 3 - <https://youtu.be/8DqTxDyrrpRs>

**Registration link:**  
<https://training.nidm.gov.in/>

*\*Kindly join the event 10mins prior.*



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Wear your Mask  
Properly



Follow Proper  
Hand Hygiene



Maintain Social  
Distancing



Get  
Vaccinated



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## **1. About NIDM:**

The National Institute of Disaster Management (NIDM) was constituted under an Act of Parliament with a vision to play the role of a premier institute for capacity development in India and the region. The efforts in this direction that began with the formation of the National Centre for Disaster Management (NCDM) in 1995 gained impetus with its re-designation as the National Institute of Disaster Management (NIDM) for training and capacity development. Under the Disaster Management Act 2005, NIDM has been assigned nodal responsibilities for human resource development, capacity building, training, research, documentation and policy advocacy in the field of disaster management. Both as a national Centre and then as the national Institute, NIDM has performed a crucial role in bringing disaster risk reduction to the forefront of the national agenda. The Institute believes that disaster risk reduction is possible only through promotion & quote; Culture of Prevention & quote; involving all stakeholders. The Institute works through strategic partnerships with various ministries and departments of the central, state and local governments, academic, research and technical organizations in India and abroad and other bi-lateral and multi-lateral international agencies. NIDM is proud to have a multi-disciplinary core team of professionals working in various aspects of disaster management. In its endeavor to facilitate training and capacity development, the Institute has state-of-the-art facilities like class rooms, seminar hall and video-conferencing facilities etc. The Institute has a well-stocked library exclusively on the theme of disaster management and mitigation. The Institute provides training in face-to- face, on-line and self-learning mode as well as satellite based training. In-house and off- campus face-to-face training to the officials of the state governments is provided free of charge including modest boarding and lodging facilities. NIDM provides Capacity Building support to various National and State level agencies in the field of Disaster Management & Disaster Risk Reduction. The Institute vision is to create a Disaster Resilient India by building the capacity at all levels for disaster prevention and preparedness.

## **2. About NFS**

National Fire Service College (NFSC) was established in 1956 and it is one of the allied organizations of Disaster Management Division under the functioning of Director General (Fire Services, Civil Defence & Home Guards), Ministry of Home Affairs, Government of India with the aim of providing training to the fire officers of the country in advanced techniques of fire-fighting & rescue and creating uniformity in the fire service organisations and their management across the country.

In India, situated right in the heart of the great historic city of Nagpur, National Fire Service College owes its existence to organize advanced training of Fire Officers rendering valuable technical training and provide knowledge to higher levels of echelons in the Country. Slowly gaining importance, a need was felt to bring the area of Fire-fighting into more scientific basis and the vision of Prof M.G. Pradhan, the Commandant/First Director of the present college, felt that there should be a uniformity in the fire service organisations and their management across the country. Every Six Months of period, NFSC trains 30 Divisional officers, 45 number of Station

officers & Instructors, more than 240 sub-officers at Regional Training Centers in order to support the State Fire Services and Central Organizations by rendering valuable technical training and provide knowledge to higher levels of echelons.

Slowly gaining importance, a need was felt to bring the area of Fire-fighting into more scientific basis and the vision of Prof. S.K. Ghosh, Director felt that there should be a college devoted entirely to all technical aspects of fire-fighting brings the discipline of Fire engineering. With this aim, NFSC has introduced a Bachelor of Fire Engineering program of 3 and half years duration as post B.Sc. in 1978 affiliated to the Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU) with an aim to generate technically competent fire engineers for the numerous fire hazard prone organizations of the country. This 3 and half years B.E (Fire Engineering) program has continued from 1978 to 2004 and discontinued due to lack of in fracture.

This was further strengthened by the Government of India in 2010 when an up-gradation scheme was approved and implemented with full-fledged facilities and groomed to world class facilities at National Fire Service College. With this up gradation, the NFSC has planned to run 27 fire prevention & protection courses and again introduced a Bachelor of Fire Engineering programme in 2015, affiliated to the Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU) as per the norms of the All Indian Council for Technical Education (AICTE) with an aim to generate technically competent fire engineers for the numerous fire hazard prone organizations of the country. The students/trainees of this college will be undergone the rigorous physical training sessions and practical demonstrations as defined in academic and training curriculum prescribed by the RTMNU and AICTE.

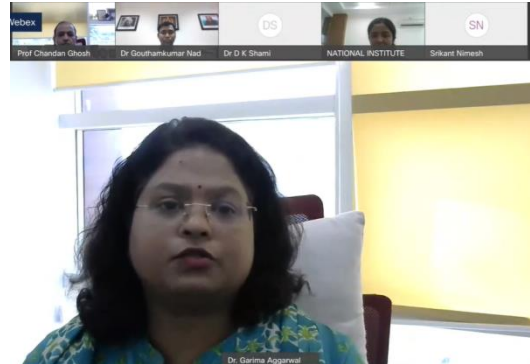
The National Fire Service College is only institution offering a B.E. (Fire Engineering) under the Ministry of Home Affairs, Government of India. National Fire Service College is only one of its kind in the Country and perhaps in the whole of Asia.

The buildings of the new NFSC campus have all been styled to take into account future requirements and would be the best in the country. With changing technological front, NFSC keep updating laboratories, infrastructure, computers, and machinery from time to time.

### 3. DAY - 1

#### 3.1 Inaugural Session:

The inaugural session was hosted by **Dr. Garima Aggarwal (senior consultant NIDM)**. She introduced the online program on “Fire and Emergency Prevention Measures for Industries” which was jointly conducted by National Fire Service College (NFRC) Nagpur and NIDM. She welcomed all of the respected guests and panelists along with students and young professional on the first day of 3 days long session. She introduced the topic and how it is relevant to the sector of disaster management with some examples as well. She discussed about how so many industries in the country has barely aware about the urgency of proper fire and emergency prevention measures and how it can be resolved.



#### 3.2 Keynote Address:

**Dr. Garima Aggarwal** handed over the responsibility to present keynote address to Prof. Chandan Ghosh (H.O.D. Resilient & Infrastructure Division, NIDM). He thanked Dr. Aggarwal and all the participants for joining with special thanks to NFRC. He discussed about the necessity of more and more advance level of research which maybe the only way to solve the problem. He also discussed about the current technologies and what needs to be done in future to create better prevention measures.



Dr. Garima Aggerwal introduced **Dr. D.K. Shami (Fire advisor, Govt. Of India, Director NFSC, Nagpur)** to give the second keynote address. He started thanking everyone. He discussed about all the current work and regulations which have been going on already but how we need to do more research because some of the standards are still missing. He further discussed about some of the major industrial accidents which occurred in India. The data presented by him showed that, since may 2020 there had been 30 industrial accidents killing almost 75 people



and prior to that, from 2014 – 2017 8004 accidents has been documented which killed almost 6368 people mostly in Delhi, Maharashtra and Rajasthan.

He further discussed about some major and minor fire related disasters focused on factories as well which occurred in India which has given so many new information related to fire safety and what has to be done next. He discussed about the National Building Code of India where there is a categorization of three type of industries which are Low, Medium and High hazardous but currently the high hazardous industries has been divided into two more which are HH A & HH B. He briefly focused on the data collected from various sources which shows India is highly vulnerable to fire related disasters and the causes behind it. He further stressed on the guidelines and legislations under National and International institutional bodies and how it can be used for the development of fire safety. He concluded his discussion with some changes which has been proposed for industrial fire safety for future.

### 3.3 Learning Session 1

After the keynote address, **Mr. T.R. Anantharama Krishnan (Member of Tariff Advisor Committee and General Insurance Regulator)** who is an expert of fire safety and fire protection techniques, presented his views on fire and life safety in industries with the help of a very detailed dataset. He briefly discussed about the historical data on the topic of discussion and shared some important objectives on industrial fire safety which were industry specific.

#### 195-nation analysis by Global Diseases Burden



- A study on “195-nation analysis by Global Diseases Burden” indicates that every fifth fire in the world is in India.
- Around 9 million fire incidents and 1.2 lakh deaths were recorded across the globe in 2017. Out of that, India recorded 1.6 million fire incidents and 27,027 fire-related deaths.
- The study also highlights that children (under 5 years) and adults (above 60) are the biggest fire victims — a trend seen in urban India as well.

#### Causes of Industrial Emergencies



- Impact of hazards such as fire, earthquake, landslides
- Explosion in a plant handling or producing toxic substances
- Accidents in storage facilities handling large and various quantities of chemicals
- Accidents during the transportation of chemicals from one site to another
- Misuse of chemicals, resulting in contamination of food stocks or the environment
- Improper waste management or accident in waste treatment plants
- Technological failures
- Failure of plant safety design or plan components
- Failure to implement fire safety measures



He shared and discussed about a disaster representing 102 types of industrial occupancy which contributed in major fire related losses of past 13 years with special focus on chemical industries, Engineering industries, power stations, electronic industries, textile industries, Sugar industries, man-made fiber industries, plastic industries and go-downs and warehouses. Mr. Krishnan stressed upon “National Building Code (NBC) – 2016” during his presentation. He further discussed about the old and new policies by NBC. He talked about the importance of passive systems which helps the fire spread and the method of prevention, the evacuation system for life safety process, occupant load, capacity factors, travel distance till fire exit etc. He described the need of compartmentation within a building to ensure limited spread of fire which promotes both fire and life safety at the same time. He concluded his presentation discussing about some of the very common life safety objectives but showed how it can be used as a major method to provide fire safety.

## Industrial safety

### Objectives of Industrial Fire Safety

- ❑ To prevent fire accidents in the plant by reducing the fire hazard to minimum.
- ❑ To eliminate fire accident caused work stoppage and lost production.
- ❑ To achieve lower workmen’s compensation, insurance rates and reduce all other direct and indirect costs of fire accidents.
- ❑ To prevent loss of life, permanent disability and the loss of income of worker by eliminating causes of fire accidents.
- ❑ To evaluate employee’s confidence by promoting safe work place and good working condition
- ❑ To educate all members of the organization in continuous state of safety mindless and to make supervision competent and intensely safety minded.

### Fire Zones

**Fire zone No. 1**

- This shall comprise areas having residential (Group A), educational (Group B), institutional (Group C), and assembly (Group D), small business (Subdivisions E-1) and retail mercantile (Group F) buildings, or areas which are under development for such occupancies.

**Fire zone No. 2**

- This shall comprise business (Subdivisions E-2 to E-5) and industrial buildings (Subdivision G-1 and G-2), except high hazard industrial buildings (Subdivision G-3) or areas which are under development for such occupancies.

**Fire zone No. 3**

- This shall comprise areas having high hazard industrial buildings (Subdivision G-3), storage buildings (Group H) and buildings for hazardous used (Group J) or areas which are under development for such occupancies.

### NBC – General

All Buildings which are normally occupied on a regular basis, shall be designed and constructed to minimize the possibility of a fire emergency requiring the evacuation of occupants. Particularly as the safety of e.g. health care occupants cannot be ensured adequately by dependence on evacuation of the building, their protection from fire shall be provided by appropriate arrangement of facilities; adequate, trained staff; and development of operating and maintenance procedures composed of the following:

- Design, construction, and compartmentation
- Fire Protection i.e. provision for detection, alarm, and extinguishment
- Fire prevention facilities such as passive systems, pressurization of internal staircases, escape routes etc.
- Planning and training in programs for the isolation of fire, transfer of occupants to areas of refuge, or evacuation of the building (Exit facilities, Travel distance etc.)
- Above all, Emergency planning – most important

### 3.4 Concluding Remarks:

Dr. Garima Aggarwal thanked all the respected guests, panel members and participants at the end of the day one of the webinar.

## 4. DAY - 2

### 4.1 Learning Session - 1

**Dr. Garima Aggarwal (senior consultant NIDM)** talked about her presentation on “Maintenance of Fire and Emergency Service for the State – New Model Bill, 2019”. She started her discussion by covering the background knowledge of the chosen topic and the works which had been already done by with the help of the bill passed in 1958 and the need behind revision of Model Fire Bill in current scenario.

Structure of Model Bill for Fire Force, 1958	Proposed Structure of the draft Revised Model Bill, 2019
<ul style="list-style-type: none"> <li>• <b>5 sections</b></li> <li>I. Preliminary</li> <li>II. Maintenance of the Fire Force</li> <li>III. Expenditure on Maintenance of Force</li> <li>IV. Penalties</li> <li>V. General and Miscellaneous</li> <li>Appendix: Model Rules under the Fire Force Bill</li> </ul>	<ul style="list-style-type: none"> <li>• <b>70 sections divided into XI Chapters</b></li> <li>i. Chapter I- Preliminary</li> <li>ii. Chapter II- Organization, Superintendence, Control and Maintenance of the Fire and Emergency Service</li> <li>iii. Chapter III- Fire and Emergency Response</li> <li>iv. Chapter IV- Water Supply</li> <li>v. Chapter V- General Measures for Fire Prevention and Life Safety Measures</li> <li>vi. Chapter VI- Offences and Penalties</li> <li>vii. Chapter VII- Appeals</li> <li>viii. Chapter VIII- Training</li> <li>ix. Chapter IX- Levy of Fire Tax, Fee and Other Charges</li> <li>x. Chapter X- Fire Prevention and Life Safety Fund</li> <li>xi. Chapter XI- Miscellaneous</li> </ul>

The presented graph showed that, over the decades the death toll has been increased due to fire related accidents and the need of prevention and mitigation needs to be improved and the bill was finally modified in 2018. After various modification, the name of the current bill is “Bill to Provide for The Maintenance of Fire & Emergency Services for the State, 2019” She discussed further about the modified bill having 11 new chapters and 70 sections.

Sections	Proposed Model Bill	Model Bill, 1958
<b>One Fire &amp; Emergency Service for the whole of state.</b> – covers both urban and rural areas.	New Addition. “In order to assist any disaster, other than resulting due to fire, all Fire Services shall be considered as Emergency Services	Indicates that maintenance fire force in local areas in which Act is applicable
<b>Superintendence and Control</b> of Fire & Emergency Service to the state governments	Same	Same
<b>Fire Service shall be considered as emergency services.</b>	New addition	--
<b>Constitution and Classifications of Fire &amp; Emergency Services-</b> This section indicates that state governments shall prescribe rules for different posts.	New addition	--
<b>Auxiliary Fire &amp; Emergency Service</b> by enrolment of local volunteers	Same	Same

She discussed about General Measure for Fire Prevention and Life Safety which is a new addition to the bill which discussed about creation of a co-relation between fire emergency plans and district disaster management plans with special provisions to prevent fire in multi storied buildings. She has also talked about some other newly introduced chapters such as, Water Supply, penalties, appeals, training, life safety funds and more.

Sections	Proposed Model Bill	Model Bill, 1958
<b>Appointment of Director</b> of Fire & Emergency Service	A person with experience, domain knowledge and credible accomplishments in the field should be appointed as director.	It is not mandated to appoint Director in Old Bill.
<b>Power, Duties and functions</b> of the Director	Powers of Director has been redrafted based on the state acts of Maharashtra, Gujarat and New Delhi .	Limited detail
<b>Setting up of fire stations</b>	Clause for setting up of fire stations and other field formations based on population and potential fire hazards.	-
<b>Appointment of fire officers</b>	Provide flexibility to the state government to appoint fire officers based on the prescribed norms and state rules.	--
<b>Powers, duties and functions of fire officers</b>	Broadly given in this chapter. Detailed powers covered in the chapters related to fire response and mitigation.	Limited detail

## 4.2 Learning Lesson- 2

**Dr. Ramesh VM (Senior Manager, fire and life safety, Cochin Refinery)** presented his views on Development of Disaster Management Plan and How to Conduct a Mock Drill. He discussed about the necessity of disaster management plans at every kind of institutions. He further discussed about various types of disasters, definition of vulnerability, and why disaster management plan is required at every step of any kind of infrastructures. He presented a slide discussing about some major industrial disaster from Bhopal gas tragedy to Beirut explosion 2020. He talked about the proactive and re-active approaches of a disaster as well with the help of a brief story. He gave an detailed description of various pre and post disaster phases, five – R strategies of post disaster cycle, aims of disaster management and preparedness for disaster management plan. He further stressed upon the impact of Bhopal disaster and how if changed the disaster management system in industries with the help of various acts such as amendment of 1987. He talked about the mock drill sessions which are very important for any disaster management situation. Cause without a mock-drill he said, even though there are high tech safety facilities but during a disaster it failed due to lack of mock drill sessions.

He further talked about the three phases of a mock- drill according to various scenarios and different preparatory activities and actual conduct of drill and post exercise activities. He concluded his presentation by thanking everyone.



### Calendar for On-site and Off-site Drill

S.No	Month	Regulations			Mutual Aid
		OISD	ERDMP	MSIHC	
1	January	On-site drills are to be conducted periodically as per clause 4.13.3 of OISD – GDN-206. No specific requirement of off-site mock drill. A Mock drill should be conducted once in a month as per clause 18.0 OISD-STD-116	March Level-I/II	March	Off-site mock drill once in a year with the support and assistance from District administration   Clause-13.14 of MSIHC Rules, 1989   May-2015  Fire drills involving Mutual Aid are conducted once in two months on rotation as per ROS-40 Rev-2 January 2002
2	February		June Level-II		
3	March		September Level-I/II	September	
4	April		December Level-III		
5	May				
6	June				
7	July				
8	August				
9	September				
10	October				
11	November				
12	December				

### Why do we need to conduct drills?

- ✓ To assess the readiness of emergency plan and response activities.
- ✓ Test knowledge and skills of plan implementation.
- ✓ Serve as a training tool for emergency response personnel.
- ✓ Opportunity to practice skills and improve.
- ✓ Means to educate and involve.
- ✓ Statutory requirement.

### *Actual Conduct of Drill:*

- Plan the drill at the scheduled time
- Drill in Level-I
- Announcement of Level-I emergency through PA system
- Siren as per OISD STD-117
- Stop all Hot Work in the area
- Barricade the area
- Prevent unauthorised entry
- Plant Manager to inform workers to move to Assembly point
- Head count at site
- Level-I drill escalate to Level-II
- Office of CIC to function

### *Preparatory Activities:*

- Hazardous Scenario identified as mentioned in the QRA
- MSDS of Chemicals
- Organogram for Level-I/II exercises
- Wind socks available at site
- Assembly points at site
- Inform External Observers
- Arrange Internal Observers too
- Inform public through media
- Table top drill to familiarise.
- Orientation for Internal Observers

## 5. DAY - 3

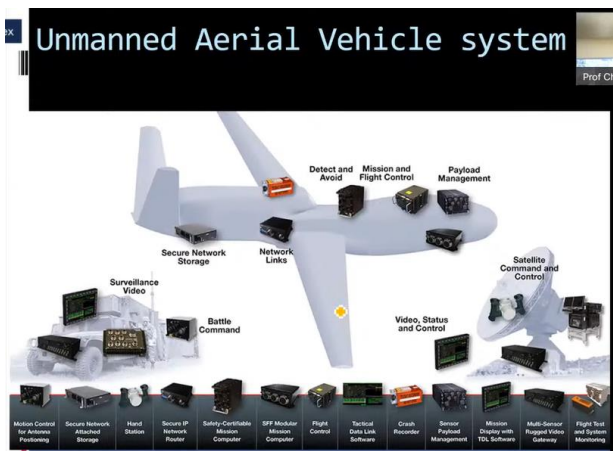
### 5.1 Introduction:

**Dr. Garima Aggarwal** introduced all the guest lecturers, participants and guests on day two of the webinar on “Fire and Emergency Prevention Measures for Industries” which was jointly conducted by National Fire Service College (NFRC) Nagpur and NIDM. She briefly gave an overview of the focus and objectives of the webinar for the second day along with the summary from the previous day.



### 5.2 Keynote Address:

**Dr. Chandan Ghosh (Head, Resilient & Infrastructure Division, NIDM)** discussed about on “Industrial Fire Safety & Innovations” with a small introduction. His presentation stressed on the need of modern technological advancement such as using drones, robots, surveillance methods to detect fire which may occur due to any natural or manmade effects, using of mobile apps etc. He further gave a comparison between conventional and modern firefighting systems and how to use the new technologies properly. He also covered that not only the fire safety but also the design of a building should be taken into consideration. He discussed about the causes which might cause a fire hazard especially in industrial sectors such as, machinery parts, vehicles, gasses and liquids. He concluded his presentation by giving some modern fire safety measures such as fire life safety inspection software.

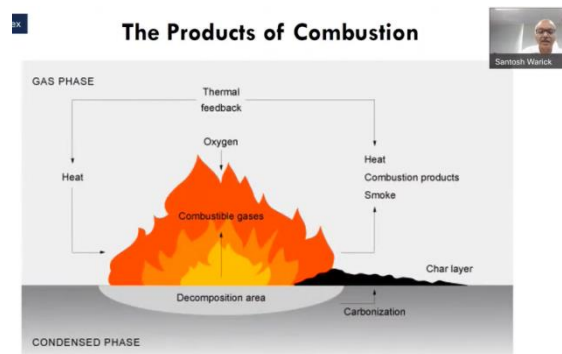
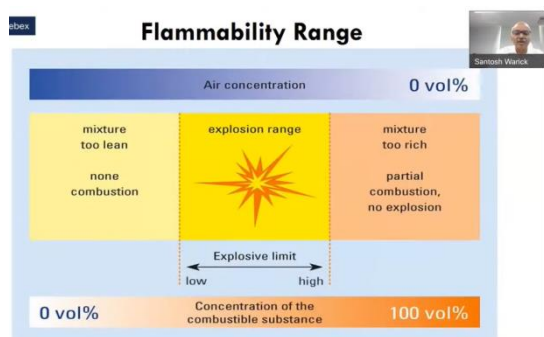
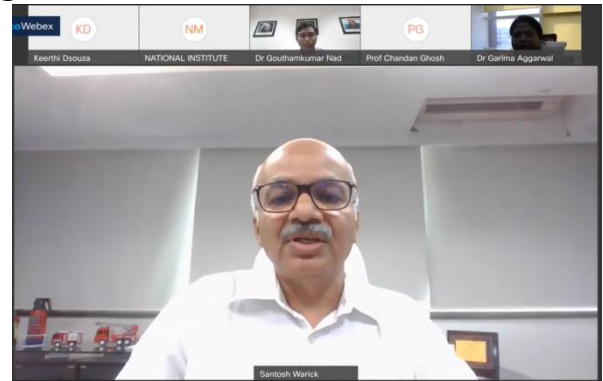


### Hazardous Waste Management Software

- **HazMat T&T** is a **hazardous waste management software** solution designed for **Environmental Service Companies** and companies who generate a **large quantity of hazardous waste**. The solution **tracks hazardous waste from cradle to grave** aiding compliance, providing accurate waste inventory, increasing **waste handling efficiency**, reducing risk and also helps manage waste costs.

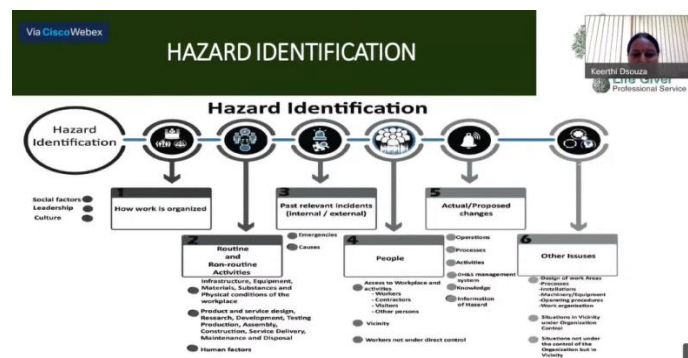
### 5.3 Learning Session - 1

After Prof. Ghosh's presentation, Dr. Garima Aggarwal introduced Mr. Santosh Warick (Director, Maharashtra Fire Service and officer and Fire Advisor MIDC). He discussed about the specific fire safety provisions for different sectors and industries with their specific IS Codes given by Bureau of Indian Standard. Further he described about the classification of industrial occupancy as per NBC with its categorization of 3 major sectors along with fire tendency of different materials and flammability ranges, combustion. He talked about the types and physical properties of different hazardous gasses. He further discussed on the type of gas leakages and its effects. He also talked about flammable liquids. He concluded his discussed with four case studies to give some previous fire disasters and examples regarding industrial fire safety.

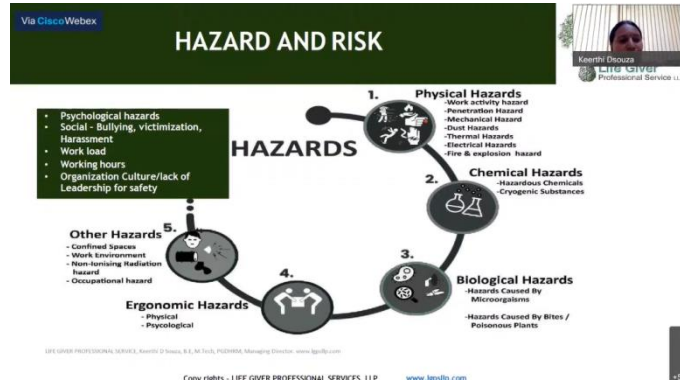


### 5.4 Learning Session - 2

Ms. Keerthi D Souza (M.D. Life Giver Professional Services) discussed about “Emergency Preparedness in Industries through International Standards for Occupational Health Safety Management System” and how it is useful to the industries to make a preparedness in a systematic approach. She discussed about various national and international organizations which helping in fire emergency preparedness along with ISO numbers. She further talked about the issues which bothers these organizations such as, structure of the government, policies, tools and software, company culture, economic factors, technological factors and other external and internal issues. She talked about the needs and



expectations of workers and other interested parties, leadership clauses, planning etc. She gave a detailed description of international code of eliminating dire hazard.



## 5.5 Concluding Remarks

Dr. Aggarwal, Dr. Gautam Kumar thanked everyone at the end of the webinar showing light of the takeaways from the three days long webinar.

## 6. Key Takeaways:

- The objectives of industrial fire safety is to prevent fire hazard to minimum and to eliminate fire accidents which cause human loss and stoppage of work & production. Fire safety also helps in building confidence in the workers by promoting safe work practices and good working conditions. The data of last 13 years, indicated about Rs. 3409 crore loss is reported in last 13 years in a total 102 types of industrial occupancies. Each incidence causes about loss of Rs. 2.55 cr per unit on an average. These figures highlight the urgent need to adopt proper mitigation measures and fire safety norms by the industries.
- We have fire prevention norms, standards and international standards in place, but we would require to strengthen our institutional system to implement those norms. We need to protect the labourers, workers and the precious infrastructure built by industrialists which is the second most of important sector contributing to our country's economy.
- Adoption of fire preparedness, prevention and mitigation measures are important for reducing the risk induced due to fire. The International Code definitely provide a systematic approach for eliminating potential hazards by planning, checking & monitoring, internal audit and action for corrective action.
- For industries, preparation of Industrial Disaster Management plan cannot be ignored. There is a need to train the staff on regular basis. Mock drills and table top exercises for conducting mass evacuation is another important aspect of it. We need to ensure the safety of structural aspects of the building as well as non-structural elements from the various disasters.

## 7. List of Participants:

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## 8. YouTube Links

Day1

<https://youtu.be/WaKs6idf4wc>

Day2

[https://youtu.be/a8njHXM\\_loA](https://youtu.be/a8njHXM_loA)

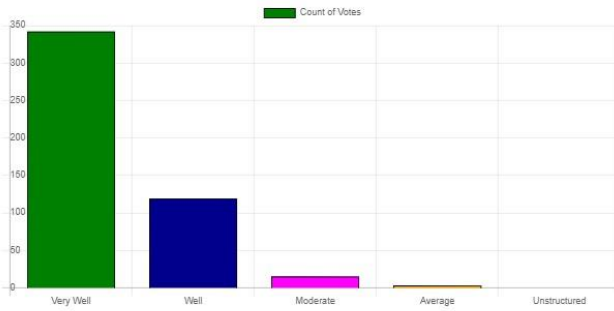
Day3

<https://youtu.be/8DqTxDyrpRs>

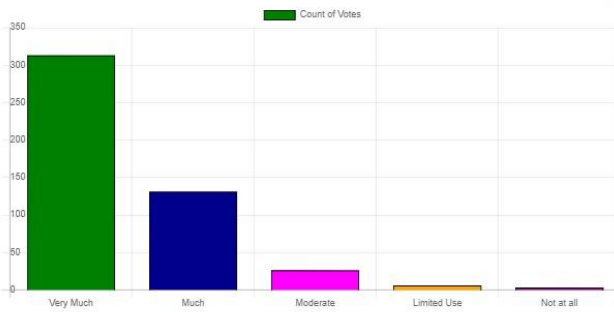
## 9. Feedback from the attendees

### Feedback Result

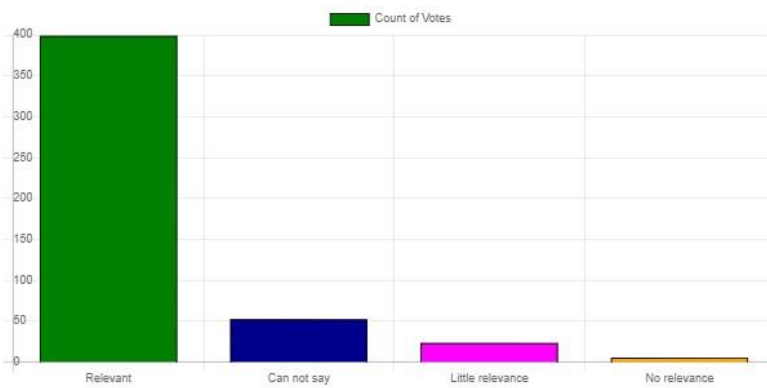
I think the structure and organization of the course fulfilled the objectives of the Training programme.



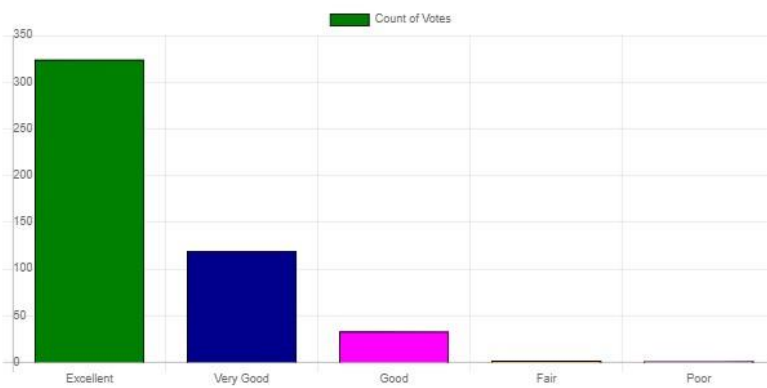
I feel this programme would be useful to me immediately in my job.



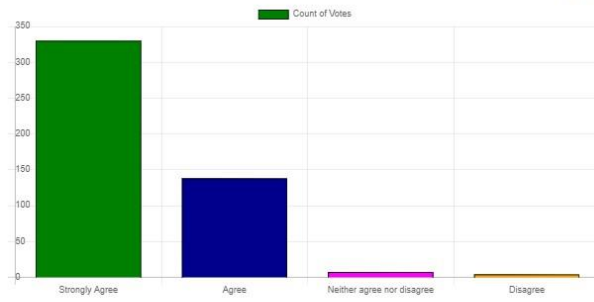
I found the course materials supplied to us to be



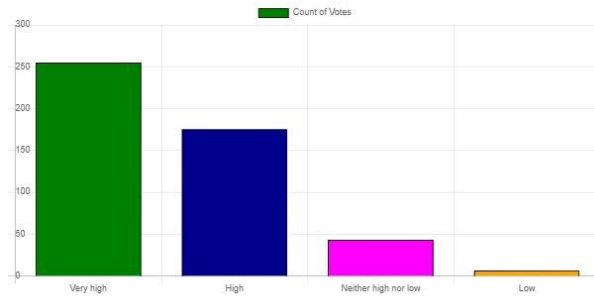
Your overall impression of the training programme.



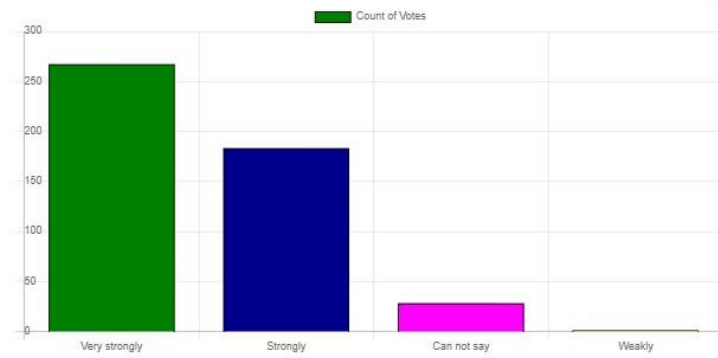
I believe this will help me in my future job related to Disaster management.



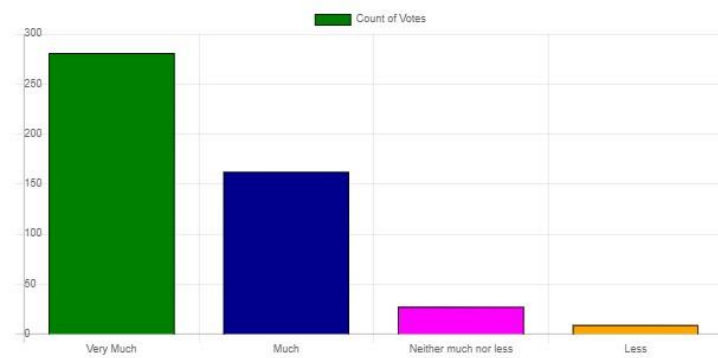
Practical orientation of the Training programme.



I feel this inspires me to take up assignments related to Disaster Management.



I have benefited from interaction with fellow participants in the course.



## 10. Certificate

Sl. No.: /



**NATIONAL INSTITUTE OF DISASTER MANAGEMENT**  
(Ministry of Home Affairs, Govt. of India)  
New Delhi

**CERTIFICATE**

This is to certify that

Participant Name

has participated in the online course on "**Fire and Emergency Prevention Measures for Industries** " from **28 Sep 2021** to **30 Sep 2021** organized by **National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India** in collaboration with **National Fire Service College**



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