

## SUMMARY REPORT ON

### Part II - 3 Day Online Training Programme on Industrial Safety Risk Management: Multi-Hazard Scenario with Special Focus on COVID19, September 14-16, 2020

#### Organised Jointly by

**National Institute of Disaster Management (NIDM),**  
Ministry of Home Affairs, Government of India, 4th Floor, 'A' Wing, NDCC Building, Jai Sing Road, New Delhi – 110001  
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## **Part II - 3 Day Online Training Programme on Industrial Safety Risk Management: Multi-Hazard Scenario with Special Focus on COVID19, September 14-16, 2020**

### **Introduction & Objective**

In the pursuit of academic excellence in the field of Industrial Safety and Disaster Risk Reduction and Management, National Institute of Disaster Management (NIDM) in collaboration with Federation of Indian Chambers of Commerce and Industry (FICCI) organisation a 3 day Online Training Programme to promote safety culture and build capacities and resilience by highlighting & discussing critical issues with the involvement of top renowned speakers from Government, Non-Government, International Agencies and leading Industries.

This training module on Industrial safety: Multi Hazard Scenario with Special Focus on COVID has been developed for use by different institutions/ professionals/ students/ industries dealing with the subject in the country at various levels. The aim of this programme was to raise the level of awareness and preparedness as well as to enhance analytical skills and professional competencies of different key stakeholders in various areas of Industrial safety and Disaster Risk Management. The e-learning courses was first of its kind in India which helped hundreds of different users in enhancing knowledge base on the subject.

Taking into account the overwhelming response in the Part 1 of the Online Training Programme organised during Aug 17-19,2020, the Part 2 of the Online Training Programme was approved and held during September 14-16, 2020, with an aim to reach out to maximum Industry Professionals, Academia and other interested stakeholders.

## Part II - 3 Day Online Training Programme on Industrial Safety Risk Management: Multi-Hazard Scenario with Special Focus on COVID19, September 14-16, 2020

### AGENDA

#### Day 1: Monday, September 14, 2020

Time	Topic	Resource Person
2:00 PM – 2:30 PM	<b>Inaugural Session</b>  Welcome Address by FICCI Opening Remarks by Member – CIDM Special Remarks by Chairman – CIDM Inaugural Address by Executive Director, NIDM	Major General M K Bindal, Executive Director, NIDM, Government of India  Dr Muzaffar Ahmad, Former Member, NDMA, and Member – CIDM  Lt Gen (Dr) J R Bhardwaj, Former Member, NDMA, and Chairman – CIDM  Dr Anil K Gupta, Professor, NIDM, Government of India  Mr Rubaab Sood, Head, Disaster Risk Management and Addl. Director, FICCI
2:30 PM – 3:00 PM	Theme Lecture	Dr Anil K Gupta, Professor, NIDM, Government of India
3:00 PM – 3:45 PM	Governance and Institution Framework	Dr S P Garg, Former ED, GAIL
3:45 PM – 4:30 PM	Land use: Planning and control	Dr Anshumali, Associate Professor, Dept of ESE, IIT(ISM) Dhanbad
<b>Question and Answer: 15 mins</b>		

#### Day 2: Tuesday, September 15, 2020

Time	Topic	Resource Person
2:30 PM – 3:10 PM	Hazardous Waste	Dr Suneel Pandey, Director, Environment and Waste Management Division, TERI
3:10 PM – 3:50 PM	Occupational Health: COVID & Post COVID Era	Dr Ashish Mittal, CEO, Occupational Health and safety Management Consultancy Service
3:50 PM – 4:30 PM	Medical Preparedness for unforeseen disasters	Dr Jugal Kishore, Director Professor & Head of Department-Community Medicine, VMMC & Safdarjung Hospital (Ministry of Health & Family Welfare) New Delhi
<b>Question and Answer: 15 mins</b>		

**Day3: Wednesday, September 16, 2020**

Time	Topic	Resource Person
2:30 PM – 3:10 PM	Earthquake Early Warning Systems and Industrial Safety	Dr Ashok Mathur, Professor (Retd.), Department of Earthquake Engineering, IIT Roorkee
3:10 PM – 3:50 PM	Community preparedness and response in multi hazard scenario	Shri A B Lal, Convener, Safety Centre, Noida
<b>Question and Answer: 15 mins</b>		
4:05 PM – 4:45 PM	Valediction & Vote of Thanks by NIDM, CIDM Board and FICCI	Major General M K Bindal, Executive Director, NIDM, Government of India Lt Gen (Dr) J R Bhardwaj, Former Member, NDMA, and Chairman – CIDM Dr Anil K Gupta, Professor, NIDM, Government of India Mr Rubaab Sood, Head, Disaster Risk Management and Addl. Director, FICCI

## Part II - 3 Day Online Training Programme on Industrial Safety Risk Management: Multi-Hazard Scenario with Special Focus on COVID19, September 14-16, 2020

### September 14, 2020 Day 1 Summary

**The Second edition of the 3-Day Online Training Programme on Industrial Safety Risk Management: Multi Hazard Scenario with special focus on COVID-19, a joint initiative of NIDM, CIDM Board and FICCI commenced on 14 September, 2020.**

Addressing the online audience, **Maj Gen M K Bindal, Executive Director, NIDM** welcomed all the dignitaries, speakers and participants. He said that initially the webinars with FICCI were focussed on COVID19 precautions and making industry aware of the SOPs and guidelines to be followed during re-opening, but at present the focus is shifted on multi-hazards, that are likely to bring forth complex situations and challenges for the Industries. He suggested that the Industries need to be prepared for these multi-hazard scenarios.

Elaborating on the new online training program, **Maj Gen M K Bindal** said that the topics in the program will help professionals in spotting impending failures or calamities and effectively handle such situations with their management skills. The second batch of the three-day online course on Industrial Safety Risk Management: Multi Hazard Scenario with Special Focus on COVID 19 will cover the principles and practices of Industrial disaster management, in a comprehensive manner.

**Dr. Muzaffar Ahmad, Former Member, NDMA and Member CIDM Board** said that chemical accidents as we know, can not only originate in manufacturing but also production, processes, storage and even during transportation, which has been a matter of great concern. Safety in Chemical Industries dealing with hazardous materials drew attention of the Government as it is known that chemical Industries have been growing in this country and India is one of the leading exporters of chemicals in the region. He mentioned that special focus needs to be given for specific occupational risks. We should not only prevent but we should also see that long term hazards are taken care and people working in the Industries have the knowledge and their capacities enhanced, so that they can take care of their safety, he said.

**Dr Anil K Gupta, Professor, NIDM, Government of India**, said it's a matter of pride that the co-operation between FICCI and NIDM is strengthening day by day and is creating an impact not only in the Industries but also in the community. He mentioned that under the risk management regime in industrial risk management, we have to maintain a concept of zero failure. Industrial safety is generally not an issue of financial resources, but sometimes lack of professionalism. He spoke on hazardous, good accidents management and process safety pyramids.

The three-day online course covered important topics like Land use: Planning and control, Governance and Institution Framework, Hazardous Waste, Medical Preparedness for Unforeseen Disasters, Occupational Health: COVID & Post COVID era, Early Warning Systems for Earthquake Management and Community Preparedness & Response in Multi-Hazard Scenario.

**Dr. S P Garg, Former, Adviser, HSE, Gail India Limited and former Executive director, GAIL India Limited and Co-Chairman, FICCI Committee on Disaster Risk Management** spoke on Industrial Safety Governance and Institutional Framework. He spoke on legislation on occupational health and safety which exists in India for several decades. He mentioned that the principal health safety laws are based on the British Factories Act. He also added that the Factories Act 1948 has been amended in 1954, 1976 and 1987. He further stated that other key legislations dealing with occupational safety and health (OSH) are Mines Act, 1952, Dock Workers Act (Safety, Health and Welfare) 1986, Plantation Labours Act 1951, Explosives Act 1884, Petroleum Act, 1934, Insecticide Act, 1968, Indian Boilers Act, 1923, Dangerous Machines (Regulations) Act, 1923, Indian Atomic Energy Act, 1962, Radiological Protection Rules, 1971, Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989, Electricity Act, 2002. He spoke about key provisions of the act and also its applicability. He also spoke on Safety and Welfare Provisions and enriched the knowledge of the audience on latest international standard on occupational health and safety. He articulated his views on the Safety Management System Approach and showcased through his presentation on HSE Management System in Gail. He further added that the HSE Management System will cover the following key elements, HSE Policy Statement, Organizational Objectives, Set of detailed processes supporting HSEMS, periodic monitoring review and reporting of performance, audit of internal & external Activities. During conclusion of his presentation he said that structured Safety Governance Mechanism is essential in the organizations for developing good safety culture. He also spoke on safety culture change to be driven from the top not by specialist at any intermediate/ middle management level. He mentioned that top Management should have desire to create Safe work environment through strong safety Leadership.

**Dr. Anshumali**, Associate Professor, Department of ESE, IIT (ISM) Dhanbad gave an in-depth presentation on land use planning and control. He spoke on land use and land cover and that land is a finite resource and added that land availability is only about 20 percent of the earth's surface. India has over 17 percent of world's population living on 2.4% of the world's geographical area. He showcased that India comprises of seven climate regions and he further added that land uses competing in rural areas with agriculture could be cash crops or food crops, industrial or agro-industrial uses, Special Economic zones (SEZs) or Special Investment Regions; highways, peri-urban development or outgrowth, integrated townships or theme cities, and mega projects. (e.g industrial corridors/ power plants/ports).

The other important faculty for the three day online course includes **Dr Suneel Pandey**, Director, Environment and Waste Management Division, TERI; **Dr Jugal Kishore**, Director Professor & Head of Department-Community Medicine, VMMC & Safdarjung Hospital (Ministry of Health & Family Welfare) New Delhi, **Dr Ashish Mittal**, CEO, Occupational Health and Safety Management Consultancy Service, **Shri A B Lal**, Convener, Safety Centre, Noida and **Prof Ashok Mathur**, (Retd.) IIT Roorkee. The Session was moderated by **Mr. Rubaab Sood**, Head, Disaster Risk Management, FICCI.

**More than 350 participants from industry and academia attended the course online on the first day of the 3-day programme.**

## September 15, 2020 Day 2 Summary

The second day on “Industrial Safety Risk Management: Multi Hazard Scenario with Special Focus on COVID 19”,

September 15, 2020 had very eminent speakers **Dr Suneel Pandey**, Director, Environment and Waste Management Division, TERI, **Dr Jugal Kishore**, Director Professor & Head of Department – Community Medicine, VMMC & Safdarjung Hospital (Ministry of Health & Family Welfare), New Delhi and **Dr Ashish Mittal**, CEO, Occupational Health and Safety Management Consultancy Service. The Opening remarks were given by **Dr Muzaffar Ahmad**, Former Member, National Disaster Management Authority, Government of India.

**Dr Suneel Pandey, Director, Environment & Waste Management Division, TERI** addressed the online audience and elaborated about hazardous wastes and spoke about different types of major hazardous wastes i.e Cyanide Waste, Heavy Metals, Organic Wastes including solvents and tars, inorganic wastes including ETP Sludge, asbestos waste and miscellaneous wastes. He also mentioned about the impact on environment due these wastes and through chart diagrams he showcased pathways for human exposure. He demonstrated through pictorial diagram about unscientific disposal and groundwater contamination reasons. He also mentioned about CPCB Guidelines of 1991 volume 1 and volume -11, Guidelines for hazardous waste transportation, guidelines for storage of incinerable water, [2005-2006](#), Protocol for evaluation and monitoring of TSDFs including incinerators, [2010-11](#). He was of the view that exposure dosage can be estimated by conducting environmental monitoring and exposure pathways would be specific of compound and media in question.

In addition to these he also stated about corrective technologies and their considerations and recommendations of appropriate technology, which would depend on complexity/sensitivity of the site, number of contaminants involved, extent of contamination plume, persistence of contaminants, existence of single or multiple phase, local Geological/ Hydrological conditions.

**Dr Ashish Mittal, CEO, Occupational Health & safety Management Consultancy Services** spoke on Occupational Health: COVID & Post COVID Era. He spoke about basic information about COVID – 19, Uncertainties of COVID -19, Workplace risk assessment & Challenges, Role of Management.

He said that the number of COVID cases are continually rising in the present scenario. He also showed a comparison based on the present threat of Influenza comparing from 2002 to 2020. He analysed the situation based on the uncertainties of COVID 19 on a number of parameters like modes of transmission, effects of human body, diagnosis/Lab Investigations, effective medicines/therapies, vaccines etc. He spoke about occupational hazards and compared the same with Risk & Hazard Exposure. The occupational hazards include Physical, Chemical, Biological, Ergonomics, Psychosocial and accidental.

He presented through pictures, how Health conditions of workers in informal sector are affected during a pandemic and photographs of nasal perforation in a small chrome electroplating unit, alkali eye burn with lower Lid contracture in Foundry, Wrist Drop-in lead storage battery manufacturing unit were shared. He also showed a chart which is a comparison between Exposure to Disasters and Physical Proximity to others. Finally, he spoke about the role of management of institutions to minimize such types of pandemic situations.

**Dr Jugal Kishore, Director Professor & Head of Department – Community Medicine, VMMC & Safdarjung Hospital** (Ministry of Health & Family Welfare) spoke about Medical Preparedness. He said that Disaster have a 6 D's effect i.e death, disability, disease, distress, damage to health services, damage to the environment. He spoke about the deleterious effects of chemical disasters and he mentioned about precise symptoms, which would depend upon the agent used and the security of the symptoms, which can depend upon the person's proximity to the contamination. He spoke about the disaster management cycle of prevention, mitigation and preparedness and capacity building. He also mentioned about the effect of disasters on the development of hospitals. In his slides, he mentioned about the core concept of public health. He also spoke about preparedness giving examples of medical preparedness.

He also mentioned about important components like Building bylaws, Manuals, Codes, Acts, Contingent Action Plan etc in disaster preparedness. In the hospital preparedness, the following are given importance i.e hospital building, hospital out-reach services, hospital internet services for routine in-patients and out-Patients and emergencies. He added in his talk about Structural Mitigation and Non-Structural Mitigation and mentioned about Emergency Response – Components of Emergency Services like Search and Rescue, Temporary Shelter, Food, Drinking Water, Clothing, Health and Sanitation, Communication, Public Information, Health Services. He further added on objectives of Mass Casualty Management.

He further added that there is a need to define the following for incoming patients like Triage area in the causality, Resuscitation area for salvage patients, Area for the beyond salvage patients, area for brought in dead, area for the walking wounded (e.g OPD of the hospital) and alternate area or ward where sick patients can be shifted when the causality is overcrowded.

**Dr Anil Gupta, NIDM** spoke about risk assessment which also involves risk characterization taking into account vulnerability.

## **September 16, 2020 Day 3 Summary**

The Third day of the 'Online Training Programmes on Industrial Safety', witnessed presentations from some eminent speakers like **Shri A B Lal**, Executive Director, The Centre for Safety Management & Secretary, National Safety Council, Delhi Chapter and **Dr Ashok Mathur**, Department of Civil Engineering, IIT Roorkee.

**Prof Ashok Kumar, Department of Earthquake Engineering, Indian Institute of Technology, Roorkee** spoke on Physical Basis of Earthquake Warning (EEW) and explained the audience on S and P waves of an earthquake. He showed through pictures about various segments of EEWS and the need for network of Sensors, it's acceleration vs velocity sensors, MEMS (low cost) vs FBA and Density of Network. He showed in his presentation about the requirements of location of sensors and solutions that may be undertaken in Indian Situation. He showed about magnitude estimation based on EEW Parameters and on evaluation of decision making. He spoke on dissemination of warning through Siren, Mobile App, Live Television. He suggested that EEW Systems may be there for the following Industries viz. Service Providers of Gas Pipelines, Applications of Gas Pipelines, Metro lines at approximately every five km, High speed train corridors at about every five km in seismic zones IV and V as well as at about every 20 km in seismic zones II and III, Airport Control towers, Nuclear Control Towers, all other Power projects, hospitals, manufactures using vibration sensitive machines, other Setups/ units/ facilities which needs shutting during earthquakes.

**Shri A B Lal, Executive Director, The Centre for Safety Management & Secretary, National Safety Council, Delhi Chapter** said that since the start of Covid19 pandemic, industrial workers are facing new problems regarding their job continuation. The major worry for them is how will they able to feed their family members and whether their health will permit them to remain alive etc. As all these questions grips their minds, survival becomes more tough. He analysed that during a pandemic the working environment need to be analysed, which states about workplace temperature, pollution and harmful environment, difficult postures, illumination, vibration and noise. He further added that the main working problems faced by employees are psychological pressure due to rude boss, lack of clear message / communication, lack of training about safe working, lack of personal protective equipment, work pressure, unsafe work equipment's, unsafe access and lack of working facilities.

He added that in any working environment, the following are the factors, which need to be kept in mind, which are occupational and medical issues, use of hazardous chemicals, identification of health issues, prevention of health hazards, use of personal protective equipment, possibilities of electrical accidents. He suggested, now that things have worsened due to COVID -19, life can't be stopped for any reason. To continue our development and become world leader, work will have to be started, unnecessary travels should be avoided, proper hygiene should be followed, social distancing of 2 meters and use of mask is a must, all measures suggested or directed by the Government should be followed. He ended the discussion by thanking all for their patience and time.

The Valedictory Session was attended by **Dr Muzaffar Ahmad, Former Member, National Disaster Management Authority, Government of India, Mr. K Rajeswara Rao, Sr. Adviser, Economic Advisory Council To The Prime Minister (EAC-PM), Government of India, Prof. Anil Gupta, Head, ECDRM, National Institute of Disaster Management, Ministry of Home Affairs, Government of India.**

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### Key Takeaways:-

1. Online training programs on Industrial Safety covers the principles and practices of Industrial Disaster Management in a comprehensive manner. More such types of training programs need to be organized so as to aware the Industries about Safety Management. The country needs a structured response group that will prepare to handle a community-based disaster systematically.
2. Proper Training is essential for developing the capacity of participants around disaster risk management. Such types of courses aim to improve the preparedness and response of the work forces at all levels, before, during and post disasters. This will help stakeholders to work in a co-ordinated manner.
3. Under the Risk Management Regime of Industrial Risk Management, there is a need to maintain a concept of zero failure. Industrial Safety is not an issue of financial resources, but sometimes a lack of professionalism. Safety is most effective and cheap, if adopted from the beginning of an Industrial design.
4. There is also a need for corrective technologies and their considerations and recommendations of appropriate technology, which would depend on complexity / sensitivity of the site, number of contaminants involved, extent of contamination plume, persistence of contaminants, existence of single or multiple phase, local Geological/ Hydrological conditions.
5. There is a requirement of important components like building by laws, manuals, codes, acts, contingent action plan etc. in disaster preparedness. There is a need for structural mitigation and non-structural mitigation, mentioned about emergency response – components of emergency services like Search and Rescue, Temporary Shelter, Food, Drinking Water, Clothing, Health and Sanitation, Communication, Public Information, Health Services.
6. Safety from Earthquakes need to be a prime focus for risk management. It is recommended that EEW Systems may be there for the following Industries viz. Service Providers of Gas Pipelines, Applications of Gas Pipelines, Metro lines at approximately every five kms, High speed train corridors at about every five kms in seismic zones IV and V as well as at about every 20 km in seismic zones II and III, Airport Control towers, Nuclear Control Towers, all other Power projects, hospitals, manufactures using vibration sensitive machines, other Setups/ units/ facilities which needs more attention during earthquakes.

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### Organizing Team

#### PATRONS



**Major General M K Bindal**  
Executive Director, NIDM  
Government of India



**Lt Gen (Dr) J R Bhardwaj**  
Former Member, NDMA  
Government of India and  
Chairman - CIDM



**Mr Nirankar Saxena**  
DSG, FICCI

#### CHAIR



**Dr Anil K Gupta**  
Professor & Head-ECDRM, NIDM  
Government of India

#### CO-CHAIR



**Rubaab Sood**  
Head – Disaster Management &  
Addl Director, FICCI

#### COURSE MANAGER



**Sanjeev Kumar**  
Deputy Director, FICCI

#### TECHNICAL MANAGER



**Akhil Gupta**  
Joint Director, FICCI

#### MEMBERS



**Mainak Majumdar**  
Deputy Director, FICCI



**Dr. Anjali Barwal**  
Research Associate,  
HER-CAP, NIDM



**Varun Sharma**  
Research Associate, FICCI



**Harshit Mohan Sharma**  
Young Professional  
NIDM

## Part II - 3 Day Online Training Programme on Industrial Safety Risk Management: Multi-Hazard Scenario with Special Focus on COVID19

### September 14-16, 2020

### Registration List: 354 Participants

Part II - 3 Day Online Training Programme on Industrial Safety: Multi Hazard Scenario with Special Focus on COVID 19						
Sno	Name	Designation	Organisation	G	City	State
1	A.K.Arora	NULL	Self Employed	M	NOIDA	Uttar Pradesh
2	AA SARMA	Architect Planner	HABITAT Architects & Planners	M	HYDERABAD	Telangana
3	Abhijeet Lahare	NULL	Ipca Laboratories Ltd.	M	Ratlam	Others
4	Abhilash Kumar	Research Scientist	Jubilant Life Sciences Ltd.	M	Gajraula	Uttar Pradesh
5	ABHIMANYU POTHAL	Director	Pothal Health & safety Consultants Pvt.Ltd	M	Bhubaneswar	Odisha
6	Abhishek Nitinbhai Patel	Student	GSFC University	M	Vadodara	Gujarat
7	Abhishek Shukla	NULL	KPMG	M	Mumbai	Maharashtra
8	Abhishek Tiwari	Student	IPS Academy	M	Dewas	Madhya Pradesh
9	ABIT PANIGRAHI	MANAGER - SAFETY	JINDAL INDIA THERMAL POWER LIMITED	M	ANGUL	Odisha
10	Aditi Sharma	STUDENT	UPES	F	Ghaziabad	Uttar Pradesh
11	AfreenKhan	NULL	Aligarh Muslim University	F	Aligarh	Uttar Pradesh

12	Ajay Pal Singh	AGM - OPS	ISS	M	Bangalore	Karnataka
13	Ajit Chandrakant Parab	Sr Manager-ESH	Evonik Catalysts India Pvt Ltd	M	Dombivali	Maharashtra
14	Akhil Mohan	Student	Institute of Engineering & Science, IPS Academy	M	Indore	Madhya Pradesh
15	Akhlesh Kumar Shukla	Safety Officer	India Pesticides Limited	M	Lucknow	Uttar Pradesh
16	Akshata Jain N	Consultant	Akshata Jain N	F	Chennai	Tamil Nadu
17	Akshay Panwar	Safety Officer	Panacea Biotech Ltd	M	Lalru	Punjab
18	Akshayjit Podder	Chemist & QC Analyst	Anubhav Beverages	M	Select City	Assam
19	Amev Kadam	Sr Executive HSE	Prism Johnson Limited RMC Division	M	Thane	Maharashtra
20	AMIT KUMAR MAJI	DEPUTY MANAGER	MCPI PRIVATE LTD	M	HALDIA	West Bengal
21	Amit Kumar Singh	Manager Environment	APM TERMINALS PIPAVAV	M	BALLIA	Uttar Pradesh
22	Amit Sharma	Asst. Manager	Chambal Fertilisers and Chemicals Limited	M	Kota	Rajasthan
23	AMOL JADHAV	Student	Gsfc university	M	Vadodara	Gujarat
24	ANAND SHAKYA	Student	SCDR, JNU	M	Bhind	Madhya Pradesh
25	Anandrao D Patil	Safety Manager	Godrej & Boyce	M	Mumbai	Maharashtra
26	Anil Gupta	NULL	Safeways Safety Consultants	M	Thane	Maharashtra
27	ANIL KUMAR RAWAT	MGR-E&QC	CFCL, KOTA	M	KOTA	Rajasthan

28	Anil Nandlal Bopche	Student	NIT TRICHY TAMILNADU	M	Chandrapur	Maharashtra
29	Anirban Halder	Assistant Teacher	Pandua Sasibhusan Saha High School (H.S.)	M	Kolkata	West Bengal
30	Anirban Sengupta	Analyst	KPMG	M	Agartala	Tripura
31	Ankit anand	Physiotherapist	DDRC	M	Karnataka	Karnataka
32	ANKIT KUMAR	STUDENT	VEL TECH UNIVERSITY	M	CHENNAI	Tamil Nadu
33	Ankur Pandey	Emergency Response Officer	Americares	M	PUNE	Maharashtra
34	ANUJ SINGH RAJPUT	STUDENT	IES IPS COLLAGE INDORE	M	INDORE	Madhya Pradesh
35	Anujith V	General manager	Ecoserene Water and wastewater treatment company	M	Kozhikode	Kerala
36	Anumita Mondal	State Aided College Teacher	Behala College	F	Kolkata	West Bengal
37	ANUPAMA SWAIN	ENVIRONMENTAL SCIENTIST	M/S. CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.	F	BHUBANESWAR	Odisha
38	Anurag Verma	Safety Officer	Bank Note Press, Dewas	M	Dewas	Madhya Pradesh
39	ARAVIND PULLELA	SR. MANAGER	BOTHRA GROUP	M	Kakinada	Andhra Pradesh
40	Aritra Kumar Dan	Biotechnologist	KIIT	M	Asansol	West Bengal

41	Arqam Azeem	Student	Muffakham Jah College of Engineering and Technology	M	Hyderabad	Telangana
42	ARSHAD IFTEKHAR	DISTRICT PROJECT OFFICER	DELHI DISASTER MANAGEMENT AUTHORITY	M	DELHI	Delhi
43	Arun Kumar Joshi	Dy.Mgr(F&S)	CFCL	M	KOTA	Rajasthan
44	Arvind Chauhan	Documentation Coordinator	District Disaster Management Authority Sirmaur (H.P)	M	Nahan	Himachal Pradesh
45	ASHISH CHANDRA	DEPUTY MANAGER	UNIVERSAL CABLES LIMITED	M	South West	Delhi
46	Ashish Ghosh	AGM HR / Admin /Safety	Stumpp Schuele & Somappa Springs (P) Ltd	M	Gurugram	Haryana
47	ASHOK KUMAR	ADD. GENERAL MANAGER	Bank Note Press, Dewas (SPMCIL)	M	DEWAS	Madhya Pradesh
48	Ashok Kumar Kapoor	Tutor HSE	Freelance	M	Nagpur Maharashtra	Maharashtra
49	Ashok Yadav	Safety Officer	GAIL INDIA LIMITED	M	AURAIYA	Uttar Pradesh
50	Ashutosh Pandey	Chief Engineer	Sutlej Textiles & Industries Ltd.	M	Bhilad /Vapi / VALSAD	Gujarat
51	Asif Ahmed	Environment Engineer	Centre for Envotech & Management Consultancy Pvt. Ltd.	M	Bhubaneswar	Odisha

52	Asit Baran Das	Chief Station Manager	Hindustan Petroleum Corporation Ltd	M	M B Patnam	Andhra Pradesh
53	ATANU GAIN	CHARGEMAN/ MECH	OFDC, KOLKATA	M	KOLKATA	West Bengal
54	Atul Joshi	SAFETY OFFICER	Mittal Appliances Limited	M	Dhar	Madhya Pradesh
55	Avdhesh Kumar Pandey	Chief Manager (F&S)	IFFCO	M	Bareilly	Uttar Pradesh
56	Avikalp Mishra	District Technical Officer	CARE INDIA	M	Samastipur	Bihar
57	AXAYKUMAR JAGDISHCHAN DRA MODI	SENIOR SHIFT ENGINEER	GUJARAT NARMADA VALLEY FERTILIZERS AND CHEMICALS LTD.	M	NARMADANA GAR, BHARUCH	Gujarat
58	Ayush bhardwaj	NULL	GITAM	M	Lucknow	Uttar Pradesh
59	Babu	Sr manager EHS	parry sugars refinery india private limited	M	Kakinada	Andhra Pradesh
60	Balogopalakris hnan R	PhD Scholar	Scott Christian College; Nagarcoil; Tamilnadu	M	Dindigul	Tamil Nadu
61	Balvinder Singh	NA	NA	M	Ludhiana	Punjab
62	Baskaran T	Ph.D Scholar	Annamalai University	M	CHENNAI	Tamil Nadu
63	BHANU SAHU	Manager	Fitness Center	M	Jabalpur	Madhya Pradesh
64	Bhoomika Dilipbhai Bhatt	Research Scholar	Hemchandracharya North Gujarat University, Patan.	F	Savarkundla	Gujarat
65	BHUPENDRA KUMAR SINGH	JUNIOR ENGINEER	UltraTech Cement	M	COCHIN (Ernakulam)	Kerala

66	Bhupesh Sharma	SM Urea-01	CFCL	M	Kota	Rajasthan
67	Bidya Jha	Student	Panjab University	F	Bhopal	Madhya Pradesh
68	Bikash Kumar Jena	Manager	Tata Power Central Odisha Distribution Limited, Bhubaneswar	M	Bhubaneswar	Odisha
69	Bikram	Research Scholar	Dept. of Community Education and Disability Studies, Punjab University Chandigarh	M	Chandigarh	Chandigarh
70	Binod Kumar mahto	HSE officer	Construction industry	M	Daltonganj	Jharkhand
71	BISWARANJAN BHATRA	NULL	INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG, ODISHA	M	DHARAMGARH	Odisha
72	Caldinus Nongrang	Tutor	Private	M	Shillong	Meghalaya
73	Champak gogoi	Safety officer	B & R Co (India) Limited	M	Ahmedabad	Gujarat
74	chandra shekhar yadav	State programme coordinator	Sphere india	M	lucknow	Uttar Pradesh
75	CHANDRAGIRI VAMSHI	Safety officer	Ms agarwal	M	Hyderabad	Telangana
76	Chandrakant Sortey	Retired Safety officer	Mahagenco	M	Mumbai	Maharashtra
77	CHANDRAVAD ANP Doshi	Adjunct Professor	GSFC University	M	Vadodara	Gujarat

78	CHATRAGADD A ALEXANDER	Senior Manager relief operations	World Vision India	M	Machilipatna m	Andhra Pradesh
79	Chemikala Datta Abhilash Reddy	Assistant Professor	Y.S.R Engg. College of Y.V.U	M	Proddatur	Andhra Pradesh
80	Chetna Khera	Consultant	Independent	F	New Delhi	Delhi
81	Chirag	NULL	Gsfc college	M	Vadodara	Gujarat
82	Chirag Joshi		Reliance	M		
83	Chittimala Nagaraju	Chief Work Study Inspector HQ Chennai	Southern Railway	M	CHENNAI	Tamil Nadu
84	Darshita Modhia	Student	No company	F	Vadodara	Gujarat
85	Debkumar Jana	Manager-EHS	MCPI Private Limited	M	Haldia	West Bengal
86	Deepak Drall			M		
87	Deepak vishwakarma	Assistant Professor	P.P.Savani University Surat	M	Ankleshwar	Gujarat
88	DEEPALI GUPTA	Phd Research Scholar	Department of Geography, H. N. B. Garhwal University, Srinagar, Uttarakhand	F	New Delhi	Delhi
89	Dhruv Desai	NULL	GSFC University	M	Bharuch	Gujarat
90	Dhruv Rawat	HSE Trainee	RECOH	M	Vadodara	Gujarat
91	Dhuruvaraaj MU	Safety officer	L&T construction and mining machinery	M	Chennai	Tamil Nadu

92	Dibas Mandal	Executive Member	Indian Academy of Communication And Disaster Management	M	Kolkata	West Bengal
93	Dipak Kumar Saha	Employee	Anc Infrastructure Pvt Ltd	M	Kolkata	West Bengal
94	Dishita modhia	Student	Gsfc University	F	Vadodara	Gujarat
95	Divyang	STUDENT	IES IPS ACADEMY INDORE	M	Vadodara	Gujarat
96	Dixant Jadhav	Safety Officer	-	M	Gandhinagar	Gujarat
97	Dnyaneshwar Santosh Tangde	Dnyaneshwar Santosh Tangde	Safety	M	Deulgaon mahi	Maharashtra
98	Dr Anita jawanjil	DDMO	DDMA Thane District	F	Thane	Maharashtra
99	Dr Chaitanya Charan Giri	General Manager	Ara Iron and Steel Barbil	M	Barbil	Odisha
100	Dr Paramesha J R	Faculty/Consultant Disaster Management	Center for Disaster Management , ATI, Mysuru, Karnataka	M	MYSURU	Karnataka
101	Dr Parul Saxena	Self Employed	BEPL	F	Bangalore	Karnataka
102	Dr Piyush Acharya	consultant medical officer	BANK NOTE PRESS DEWAS	M	Dewas	Madhya Pradesh
103	Dr RAJASHEKHAR A S	Asst Professor	Siddaganga Institute of Technology	M	Tumakuru	Karnataka
104	DR RITESH KAMAL SINGH	SENIOR CHEMIST	MSPGCL KHAPERKHEDA TPS	M	Nagpur	Maharashtra
105	Dr Satyanarayan Hota	Vice Chairman	Indian Red Cross Society	M	Sonepur	Odisha

106	Dr Vipin K Varughese	Assistant Professor	KG College, Pampady	M	Kottayam	Kerala
107	Dr. Akshay Kumar	Researcher	Birla Institute of Technology, Mesra	M	Ranchi	Jharkhand
108	Dr. Anirban Basu	Assistant Professor	Vidyasagar University	M	Midnapore	West Bengal
109	DR. BAIDYANATH KUMAR	Research Scholar	University Dept. of Geography, B.R.A Bihar University, Muzaffarpur	M	Samastipur	Bihar
110	Dr. BALA MURUGAND	Assistant Professor of Management Studies	PSN College of Engineering and Technology	M	Tirunelveli	Tamil Nadu
111	Dr. Frag Mohamed Awid Elsbeay	Assistant professor	Faculty of Agriculture, Damietta University	M	Damietta	Others
112	Dr. Kalipada Bankura	Assistant Professor	Tamralipta Mahavidyalaya	M	Tamluk	West Bengal
113	Dr. Kantha Deivi Arunachalam	Dean	SRM Institute of science and Technology	F	Chennai	Tamil Nadu
114	DR. MAHESH PRASAD TRIPATHI	Assistant Professor (Agriculture Engineering)	Eternal University	M	Rajgargh	Himachal Pradesh
115	Dr. Mani Prakash Aravelli	Manager	Aarvee Associates	M	Hyderabad	Telangana
116	Dr. S. MURUGAPOOPATHI	Assistant professor	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	M	Dindigul	Tamil Nadu
117	Dr. Saravanakumar A			M		

118	Dr. Saumendra Nath Saha	CMO - SAG	ESIC	M	Kolkata	West Bengal
119	Dr. Sharwan Kumar Singh	State Training Officer	IRCS	M	Patna	Bihar
120	Dr. Ambujam Govindasamy MS., FICS., FAES.	Dean cum Professor	Vinayaka Missions Medical College	F	Karaikal	Puducherry
121	Dr. Bharat Jain	Member Secretary	Gujarat Cleaner production Centre	M	GANDHINAGAR, Gujarat	Gujarat
122	Dr. Damodar Panda	Associate Professor	Utkal University	M	Bhubaneswar	Odisha
123	Dr. P. S. Swathi	Co-Founder	Shreya Management Services, Hyderabad	F	Secunderabad	Telangana
124	Dr. S. Parameswari	Manager Medical Services	Hindalco Industries Ltd, Alupuram Works, Kochi	F	Kochi	Kerala
125	Dr. Satish Uttamrao Patil	Guest faculty	NGO	M	Pune	Maharashtra
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127	EHTISHAM AHMAD KHAN	VP	GSL	M	SHAHJAHANPUR	Uttar Pradesh
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129	Ganesh katkar	Sr. Executive HSE	Randstand India Private Ltd India.	M	Thane	Maharashtra
130	Garima Goswamy	Consultant	IIRIS	F	gurugram	Haryana
131	Gaurav Pandey	Assistant Manager	Bharat Oman Refineries Limited	M	Bina	Madhya Pradesh
132	Girish Kumar	Head-HSE	Jindal Saw Limited	M	Mundra	Gujarat

133	GIRISH RAMPAL UPADHYAY	GUEST FACULTY	ALL INDIA INSTITUTE OF LOCAL SELF GOVERNMENT, ANDHERI	M	mumbai	Maharashtra
134	GOURISANKAR ROY	Student	The University Of Burdwan	M	Memari	West Bengal
135	Gowhar Jeelani	DM Expert	JKSDMA	M	Anantnag	Jammu Kashmir
136	Happy	Safety Officer	Shyam Indus power solution Pvt Ltd	M	New Delhi	Delhi
137	Harbakhsh Singh	Post Warden	Civil Defence	M	Batala	Punjab
138	Harish Choudhary	EHS Manager	Wartsila India pvt ltd	M	KHARGHAR	Maharashtra
139	Harsh Rajesh Patil	Student	GSFC University	M	Vadodara	Gujarat
140	Himanshu Shukla	Manager (technical operation)	Security Printing & Minting Corporation of India Limited	M	Dewas	Madhya Pradesh
141	Hitesh Barot		DEOC Palanpur	M	Siddhpur	Gujarat
142	Hormuz Siodia	Safety	None	M	Pune	Maharashtra
143	IMANDI SIVA KUMAR	Dy. Manager - Safety	GVK - EMRI	M	Hyderabad	Telangana
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146	Jeevanagouda Patil	EHS officer	Waaree	M	Surat	Gujarat

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153	K Suryakranthi	Manager-EHS	GEPIIL Infrastructure Pvt Ltd	M	Hyderabad	Telangana
154	k.shivarama	Manager - EHS	Himatsingka Linens	M	Hassan	Karnataka
155	Kailash Chandra Kashmira	Assistant Engineer	Bharat Oman Refineries Limited	M	Bina	Madhya Pradesh
156	Kaivalya Tiwatne	NULL	Gsfc University	M	Vadodara	Gujarat
157	Kamal Kishor	NULL	Environmental Progress	M	Delhi	Delhi
158	KAMAL PRAMANIK	GENERAL MANAGER	HPCL	M	MUMBAI	Maharashtra
159	Kamal Shukla	Assistant professor	Ips ies college	M	Indore	Madhya Pradesh

160	Karan Kumar	Safety engineer	Blue star limited	M	New Delhi	Jharkhand
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163	Kathirvel	Dy.Engineer	Bharat Heavy Electrical Limited	M	Bangalore	Karnataka
164	KAVYA SIDDESHWAR	Research Scholar	Bharathidasan University	F	Trichy	Tamil Nadu
165	Kochupillai Ramakrishnan Unni	Jr.Officer	Ultratech Cement Ltd ( Unit Cochin Bulk Terminal)	M	Cochin	Kerala
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167	KSN Chowdary	Business Associates	4 S Safety Consultants	M	HYderabad	Telangana
168	L.S.V.R.Murthy	Asst. Manager	RenewSys India Pvt. ltd	M	Hyderabad	Telangana
169	Lakshit Seth	DGM-Quality Systems	Jindal Stainless (Hisar) Limited	M	Hisar	Haryana
170	Lakshman Babu Gattu	Senior Manager	Bharat Oman Refineries Limited	M	Bina	Madhya Pradesh
171	Lalit Yadav	Lab technician	Amity institute of Nanotechnology	M	Noida	Uttar Pradesh
172	Liyakat Attar	Asst.Manager-Maintenance Dept.	Ramesh Sun Wire Pvt Ltd	M	Bhandara	Maharashtra

173	M. Ravi Chandra Reddy	General Manager - HSSE	Dorf Ketal Chemicals India Pvt Ltd	M	MUNDRA	Gujarat
174	M.S.Narayana Reddy	EHS Manager	ITC LIMITED Agri Business Division, Chirala	M	Chirala	Andhra Pradesh
175	Mahesh Krishnamoorthy	Manager	KPMG	M	Mumbai	Maharashtra
176	Malik Tawqeer Un Nisa	Disaster Management Professional	DDMA	F	Srinagar	Jammu Kashmir
177	Man Mohan Sharma			M		
178	Mandavi Singh	Student	University of Lucknow	F	Lucknow	Uttar Pradesh
179	Mangesh Brahme	General Manager	Thane Belapur Industries Association	M	Mumbai	Maharashtra
180	MANIKANTA YELLAPU	MECHANICAL ENGINEERING	GIET ENGINEERING COLLEGE	M	KIRLAMPUDI	Andhra Pradesh
181	Manish Gupta	Assistant Engineer-cum-Safety Officer	Haryana Power Generation Corporation Ltd	M	Hisar	Haryana
182	Manish Kulkarni	Manager	Godrej and Boyce	M	Mumbai	Maharashtra
183	MANISH KUMAR MEHRA	RESUCER	DDMA (WEST)	M	Delhi	Delhi
184	Manjit Mahanta	Project Officer (DM)	Assam State Disaster Management Authority	M	Guwahati	Assam
185	Manu Kumar Abhuday	Fire Officer	ONGC	M	Bangalore	Karnataka

186	Md Amir Ismail	Safety Officer	Grauer & Weil India Limited	M	Katihar	Bihar
187	Mohit Singh	Student	IPS Academy	M	Dehradun	Uttarakhand
188	Monu Yadav		GAIL(INDIA)LIMITED	M	New Delhi	Delhi
189	Mr V N Rao	Director	Raga Technical Associates	M	Hyderabad, TS	Telangana
190	Mr. Shailesh Kumar Maganlal Jayswal	Asst. Manager QC & Safety In charge	S.d Fine Them.Ltd.	M	Vadodara	Gujarat
191	Mrs Mamta Pandey	NULL	Red Cross Society Nainital	F	Haldwani	Uttarakhand
192	MUKILVANAN M	NULL	Nit Trichy	M	Thanjavur	Tamil Nadu
193	MUKKANTI MEKALA	CHIEF MANAGER	GAIL(INDIA)LIMITED	M	HYDERABAD	Telangana
194	NAJNEEN SHOUKATALI MADDI	police Naik	police department	F	Solapur	Maharashtra
195	Naresh Kumar	Sr Officer	Ultratech Cement Ltd	M	Nalagarh	Himachal Pradesh
196	Necklal Soni	Assistant manager- HSE	Renew Power Limited	M	Rewa	Madhya Pradesh
197	Neelesh Shashikant Morajkar	Assistant Professor	Goa Multi-Faculty College	M	Ponda	Goa
198	Neeraj joshi	Serv instructor	Indian red cross society uttrakhand	M	Bhowali	Uttarakhand
199	NEERAJ K YADAVA	AGM	NTPC	M	BANGALORE NORTH	Karnataka
200	Neeraj kumar dwivedi	Opreation coordinator	Cfcl gadepan kota	M	Kota	Rajasthan
201	Nilaxi Chari	Assistant Professor	SPES\&#39;s Goa Multi-Faculty College	F	Dharbandora	Goa

202	Niranjan Behera	Student	Chinmaya Institute of Fire and Safety Engineering, Rourkela	M	Khordha	Odisha
203	Nitesh Sharma	NULL	UPES Dehradun	M	Morena	Madhya Pradesh
204	Nitesh Vasant Janbandhu	Sr. EHS Officer	Kalpataru Power Transmission Limited	M	Miraj	Maharashtra
205	Nitika Jain	Student	Panjab University	F	Baghpat	Uttar Pradesh
206	Nomitha Datta. V	student	UPES	F	dehradun	Uttarakhand
207	NORI VENKATA VENU GOPAL	Dy.General Manager (Electrical)	L.G.Polymers India Pvt.Ltd	M	Visakhapatnam	Andhra Pradesh
208	Om Prakash Singh	Manager	Bharat Oman Refineries Limited	M	Bina	Madhya Pradesh
209	Onkar Puri, Advisor (Disaster Management)	Advisor (Disaster Management)	Advisory Services	M	Delhi	Delhi
210	PANKAJ KUMAR KOLEY	Consultant onHSSE	M/S Nanoconsultancy	M	KOLKATA	West Bengal
211	PANKAJ KUMAR UPADHYAY	MATERIALS MANAGEMENT OFFICER	OIL AND NATURAL GAS CORPORATION LTD	M	SURAT	Gujarat
212	Pavneet Singh Kharbanda	Student	Panjab University	M	Chandigarh	Punjab
213	Peerzada Shuaib Amin Parsa	Research Scholar	Maulana Azad National Urdu University	M	HYDERABAD	Telangana
214	PILLADA VEERA VENKATA SAI MANIDEEP	RESEARCH SCHOLAR	JNTU KAKINADA	M	Payakaraopeta	Others
215	PILLI SUDHAKAR	M. Tech	JNTUK	M	Kakinada	Andhra Pradesh

216	PINKI CHAHAL	Research Scholar	Manav Rachna International Institute of Research and studies Faridabad	F	Faridabad	Haryana
217	PPS Dhillon	NULL	FL	M	Delhi	Delhi
218	Prabhjot Singh Viridi	Assistant Professor	Bhilai Institute of Technology Raipur	M	Raipur	Chhattisgarh
219	PRADIP KUMAR PATTAJOSHI	MANAGER	NALCO	M	DAMANJODI	Odisha
220	Prahalad Nair	Assistant Manager	UltraTech Cement Limited	M	Ernakulam	Kerala
221	Praneet Chawade	BE final year student of NFSC	NFSC	M	Nagpur	Maharashtra
222	Pranjal Pandey	Student	Amity University, Noida, UP	F	New Delhi	Delhi
223	Prapti Patel	Student	GSFC UNIVERSITY	F	Vapi	Gujarat
224	PRASAD BALIBOYINA	D M Expert	A P SDMA	M	VIJAYWADA	Andhra Pradesh
225	Prashant Goklani	Student	University of Lucknow, Lucknow, Uttar Pradesh, India	M	Lucknow	Uttar Pradesh
226	PRASHANT SURVE	GM - HSE	ARKEMA CHEMICALS INDIA PVT. LTD.	M	Navi Mumbai	Maharashtra
227	Pravin Shinde	India SHE Lead	Roche Diagnostic India	M	Thane	Maharashtra
228	Prem Shanker Jha	CEO	Genuine Quality Services	M	Pune	Maharashtra

229	Pritpal singh	DGM Utility services and EHS	Federal Mogul	M	Patiala	Punjab
230	PRIYABRATA BARIK	SAFETY OFFICER	Kainsera infraprojects private limited	M	Jharsuguda	Odisha
231	Prof.Dr.I.Mana valan	HSE Consultant	M/s Arise Steel Industries / Tiruchirappalli - 621205	M	Tiruchirappalli	Tamil Nadu
232	PURANJOY SEAL	Sr. Executive	MCPI Private Limited	M	Haldia	West Bengal
233	RADHESHYAM SINGH	Dy. Manager	Varrsana Ispat Limited	M	Gandhidham	Gujarat
234	Radhika Bakshi	Student	GSFC University	F	Vadodara	Gujarat
235	Rahul Mangalani	Sr. Executive	Reliance	M		
236	RAJ KUMAR SINGH	ACADEMIC. COUNSELLOR. & EVALUATOR (MSW,MARD,P GDRD)	Study Center- J.H.GOVERNMENT.P.G.COLLEGE,BETUL (M.P),Affiliated with IGNOU,NEW DELHI	M	Saoner, Dist- Nagpur, Maharashtra	Maharashtra
237	RAJ KUMAR SINGH			M		
238	Raja M	Manager	Godrej & Boyce Storage Solutions	M	Chennai	Tamil Nadu
239	Rajan Kumar	Training and Capacity Building Coordinator	Deptt. of Revenue-DMto the Govt. of HP	M	Nahan	Himachal Pradesh
240	Rajanikanta Ojha	Senior Manager (Mechanical)	National Aluminium Company Ltd	M	Koraput	Odisha

241	Rajat Verma	Assistant Professor	World University of Design	M	Delhi	Delhi
242	Rajdeep Bansod	Research Associate	Tata Institute of Social Science	M	Amravati	Maharashtra
243	RAJESHAM DURGAM	SAFETY OFFICER	UIC	M	HYDERABAD	Telangana
244	Raju Roy	Post Graduate Teacher	Pabiacherra Class XII School	M	Kumarghat	Tripura
245	Raju Shahi	master trainer	District disaster management authority	M	dehradun	Uttarakhand
246	RAM GANESH TRIPATHI	ASSISTANT MANAGER	SEKURA ENERGY LIMITED	M	Chitrakoot	Uttar Pradesh
247	Ramakanta panda	EHS consultant	genpact india pvt ltd	M	17068	Telangana
248	RAMAKRISHNA N SUBRAMONIAM	Quality Assurance & Business Excellence Manager	Inida Pesticides Limited	M	Lucknow	Uttar Pradesh
249	Ramesh Bhagwani	Chief Manager OHSE	Godrej & Boyce mfg co ltd	M	Mumbai	Maharashtra
250	RAMESH KRISHNA M	Student	Loyola College (Autonomous)	M	Chennai	Tamil Nadu
251	Ran Vijay Singh	Sr. Executive	Merino Industries Limited	M	DAHEJ	Gujarat
252	Rana Siddhant	STUDENT	UPES	M	Kudra	Bihar
253	Ranadeb Chandra	Asst Manager EHS	ITC LTD.	M	Kolkata	West Bengal
254	Ranjeet Joshi	HSE	H Energy	M	THANE	Maharashtra
255	RANJEET RANJAN	Disaster Expert	District Disaster Management Authority	M	Basti	Uttar Pradesh

256	Rashmi Bhagat	Dy. Manager Semiconductors & Photovoltaic Producti	BHEL EDN Mysore Road	F	Bangalore	Karnatak a
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258	Ravindra Dhapola	Head SHE	Tata Coffee Ltd	M	bangalore	Karnatak a
259	RAVINDRA REDDY M	MEDICAL PSYCHIATRIC SOCIAL WORK	OSMANIA UNIVERSITY	M	Hyderabad	Telangan a
260	Rigzin Norphel	Student	Panjab University	M	Leh	Ladakh
261	Rishab Kumar	Student	Panjab university	M	KHARAR (Mohali)	Punjab
262	Rishikesh Prasad	Student	Government College of Education (C.T.E.), Banipur	M	Bandel	West Bengal
263	ROHAN KUMAR	NULL	THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY	M	PATNA	Bihar
264	Rohan Mark Nimmagadda	Consultant SFDRR	Andhra Pradesh State Disaster Management Authority	M	Kunchanapalli	Andhra Pradesh
265	Rupesh Ingle	DGM	SI GROUP INDIA PVT LTD	M	Turbhe	Maharas htra
266	SAFAL PHADKE	STUDENT	GUJARAT FORENSIC SCIENCES UNIVERSITY	M	PUNE	Maharas htra

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269	Sana Banu Chhipa	No	No	F	Chittorgarh	Rajasthan
270	sandarbh sharms	G.E.T	RIL	M	INDORE	Madhya Pradesh
271	SANIVARAPU SREEKANTH	SAFETY OFFICER	SS DESIGNER\&#39;S AND PLANNERS	M	Y.S.R KADAPA	Andhra Pradesh
272	SANJAY AGGARWAL		Chambal Fertilizers	M		
273	Sanjay Kumar Shrivastava	HSE	Bothra Shipping Service Pvt Ltd	M	kakinada	Andhra Pradesh
274	SANJIT KUMAR	Research Associate-III	HARYANA SPACE APPLICATIONS CENTRE	M	New Delhi	Delhi
275	SANTOSH GENU HARDE	MANAGER	RPG LIFE SCIENCES LTD NAVI MUMBAI	M	mumbai	Maharashtra
276	Santosh Hosamani	EHS Officer	Renewsys India	M	Bangalore	Karnataka
277	Santosh Jain	Dy General manager Safety	Aurobindo Pharma	M	Hyderabad	Telangana
278	Saransh Gupta	HSE executive	Vspl	M	Gurugram	Haryana
279	SASIKUMAR V	Senior Executive Safety	Covestro India Private Limited	M	Cuddalore	Tamil Nadu
280	SATPAL SINGH	Office Superintendent	NC Railway	M	Prayagraj	Uttar Pradesh

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282	Satyakam Nayak		NALCO	M		
283	Satyaprakash Rai	Assistant Manager	Varrsana Ispat Ltd	M	Gandhidham	Gujarat
284	Satyendra Nath Yadav	Scientific Assistant-Environment	Madan Mohan Malaviya University of Technology, Gorakhpur-273010, Uttar Pradesh	M	GORAKHPUR	Uttar Pradesh
285	SHAH RASHIL HIREN	Student	GEC PATAN	M	MEHSANA	Gujarat
286	SHAIENDRA SINGH	PROPRIETOR	CALL US HR SOLUTIONS	M	RAJKOT	Gujarat
287	Shankar M L	Sr.Manager-EHS	M/S Kongovi Pvt Ltd.,	M	Bangalore	Karnataka
288	SHANTANU KUMAR	Sr.Executive Environment	Varrsana Ispat Limited	M	Gandhidham	Gujarat
289	Sharma Ashwinkumar	Student	IES IPS ACADEMY	M	Ankleshwar	Gujarat
290	SHEENUM SAPEHIA	NULL	THAPAR UNIVERSITY	F	DHARAMSHALA	Himachal Pradesh
291	SHILPA VENUGOPAL	Engineer trainee	BHEL	F	Bangalore	Karnataka
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293	Shridhun B. Chavda	NULL	GSFC UNIVERSITY	M	Vadodara	Gujarat
294	Shubham Yadav	Student	IPS ACADEMY	M	Jaipur	Rajasthan
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297	stijo sebastian	stijo sebastian	Little flower engineering institutr	M	Thrissur	Kerala
298	Subendu Das	Manager	Flipkart Internet Services Pvt Ltd	M	Khurdha	Odisha
299	SUBHASH KUMAR RUHELA	assistant professor	Raksha shakti universirty	M	gandhinagar	Gujarat
300	Subrat Kumar Sahoo	Sr. Safety officer	VARRSANA ISPAT LIMITED	M	Gandhidham	Gujarat
301	SUDHAKAR YGALA	Assistant Manager EHS	Cipla Limited	M	Gangtock	Sikkim
302	Suhas Shetye	Asst. Manager-HSE	Arkema Chemicals India Pvt.Ltd.	M	Navi Mumbai	Maharas htra
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304	Sunil Jain	Manager Urea-01	CFCL	M	Kota	Rajasthan
305	Sunil Kumar Dwivedi	EHS Auditor and trainer	BBC Techno associate	M	Allahabad	Uttar Pradesh
306	Sunil Shankar Gaikwad	Control Room Officer	SEOC, Mantralay Control Room Officer, Mumbai	M	Mumbai	Maharas htra
307	Sunita Prosad	Postgragudate Student	The University of Burdwan	F	CHINSURAH	West Bengal
308	Suresh Babu R	Sr. Manager - Facilities	Crown Worldwide Pvt. Ltd	M	Chennai	Tamil Nadu
309	SURESH KAPITI	MANAGING DIRECTOR	KAPITI OVERSEAS PRIVATE LIMITED	M	Hyderabad	Telangan a

310	Suwendu Kumar Das	Safety Professional	Nava Bharat Ventures Limited	M	Dhenkanal	Odisha
311	Swati Gupta	Research scholar	Institute of Environment and Development Studies, Bundelkhand University, Jhansi, U.P., India	F	Jhansi	Uttar Pradesh
312	Syed shahbaz	Manager Safety	BEML LTD	M	Bengaluru	Karnataka
313	T RAMESH	SAFETY MANAGER	VISHNU BARIUM PVT LTD	M	SRI KALAHASTHI	Andhra Pradesh
314	Tanishk Aggarwal	Student	Ips academy	M	indore	Madhya Pradesh
315	Tarun Anand	Assistant Teacher	Vyapar Mandal Kanya Middle School, Fatuha (Patna), Bihar	M	Patna	Bihar
316	Tej Dhruve	student	GSFC university	M	VADODARA	Gujarat
317	Tejas Ramesh Rawool	Student	IPS Academy	M	Navimumbai	Maharashtra
318	Thakur Vikram Singh	EHS manager	NIPPON PAINT INDIA Ltd	M	HYDERABAD	Telangana
319	THIRUMAVALA VANM	PROCESS ENGINEER	Everest Organics Limited, Hyderabad	M	Hyderabad	Telangana
320	Trinath Rao	EHS Manager	Thermax Ltd	M	Chittoor	Andhra Pradesh
321	UDAYA KUMAR S	Safety In charge	Rane Brake Lining Ltd	M	Puducherry	Puducherry
322	UJJAWAL SINGH	FITTER, Civil Engineering Department	Indian Railway	M	Samastipur	Bihar

323	V. Prabhu	Assistant professor	Nallamuthu Gounder Mahalingam College	M	Coimbatore	Tamil Nadu
324	VAIBHAV GOYAL	STUDENT	UNIVERSITY INSTITUTE OF LEGAL STUDIES, PANJAB UNIVERSITY (SSGR, HSP.), CHANDIGARH	M	CHANDIGARH	Chandigarh
325	vara prasad molleti	HSE In-Charge	BSSPL	M	Kakinada	Andhra Pradesh
326	vasanthi pasupuleti	student	jntu kakinada	F	TENALI	Andhra Pradesh
327	Vasudev A Rao	DGM-HSE	ONGC	M	Surat	Gujarat
328	Vasundhara Chandna	Student	IGNOU	F	Chandigarh	Punjab
329	Venkateswara Rao Medarametla	Safety officer	PMP construction Pvt ltd	M	Guntur	Andhra Pradesh
330	Vignesh B	Project Engineer	ABC Techno Labs India Private Limited	M	Chennai	Tamil Nadu
331	vijay bendi	Manager	J&J	M	mum	Maharashtra
332	VIJAY GANGATRAO TIJARE	MANAGING DIRECTOR	M/s TIJARE ENGINEERS & CONSULTANTS PVT. LTD.	M	NASHIK	Maharashtra
333	Vikram Singh Chaudhary	AM (Legal)	SPMCIL	M	Dewas	Madhya Pradesh
334	Vinay Anant Adhikari	Manager HSE	Arkema Chemicals India Pvt Ltd	M	Nerul Navi Mumbai	Maharashtra
335	Vinod Prakash Joshi	Senior Technician	SPMCIL	M	Dewas	Madhya Pradesh
336	VISHAL HARIBHAI PATEL	Assistant professor	Amity University	M	NOIDA	Uttar Pradesh

337	Vishal Singh	Fireman	Bharat diamond bourse	M	Mumbai	Maharashtra
338	Vishal Singh rana	Student	panjab university ( department of geography )	M	Mohali	Punjab
339	Vishvas Vasant More	HSE MANAGER RGT	VEDANTA LTD CAIRN OIL AND GAS	M	NAVI MUMBAI	Maharashtra
340	Vivek AjayKumar Jaiswar	Student	Grant Govt Medical College and Sir J.J. Group of Hospitals	M	MUMBAI	Maharashtra
341	Vivek Naik	Safety Officer	Automobile corporation of Goa ltd	M	Colvale	Goa
342	Yash Salunke	Student	Gsfc	M	Vadodara	Gujarat
343	Yash Vyas	Student	IPS Academy	M	Indore	Madhya Pradesh
344	YASHKAMAL PRASAD	NULL	GSFC UNIVERSITY	M	VADODARA	Gujarat
345	Yashpal Singh	Dy. Gen Manager (OHS)	Godrej & Boyce Mfg Co Ltd	F	Mumbai	Maharashtra
346	YASHWANT PARMAR	ASSISTANT MANAGER FIRE AND SAFETY	CFCL	M	KOTA	Rajasthan
347	YOGESH JAISINGH PARDESHI	GUEST FACULTY, D.M.CELL	ALL INDIA INSTITUTE OF LOCAL SELF GOVERMENT, PUNE	M	PUNE	Maharashtra
348	Yogesh Malav	Deputy shift Manager	CFCL	M	Kota	Rajasthan
349	Yogesh R. Wani	Assistant Manager - EHS	PRS Permacel Pvt. Ltd.	M	Kalyan	Maharashtra
350	Yogesh uniyal	Student	Panjab University	M	Chandigarh	Chandigarh

351	YUMNAM NELSON	NFSG	Employees State Insurance Corporation	M	Delhi	Delhi
352	Zaid mansuri Ismail	Student	GSFC University	M	Bharuch	Gujarat
353	Zeeshan	NULL	Central University of Haryana	M	New Delhi	Delhi
354	Zuhal Mazood	Vocational instructor in Computer Applications	TKDM GOVT VHSS	M	Kollam	Kerala

## Part II - 3 Day Online Training Programme on Industrial Safety Risk Management: Multi-Hazard Scenario with Special Focus on COVID19

September 14-16, 2020

### Photographs



The poster features the logos of NIDM, the Government of India, and FICCI. The main title is "Online - MASTERCLASS: Part-2 Industrial Safety Risk Management Multi-Hazard Scenario with special focus on COVID-19". The dates and time are "14-16 September 2020 | 2:30PM - 5:00PM".

In the pursuit of academic excellence in the field of Industrial Safety and Disaster Risk Reduction and Management, National Institute of Disaster Management (NIDM) in collaboration with Federation of Indian Chambers of Commerce and Industry (FICCI) envisages to promote safety culture and build capacities and resilience by highlighting & discussing critical issues with the involvement of top renowned speakers from Government, Non-Government, International Agencies and leading Industries. This training module on industrial safety: Multi Hazard Scenario with Special Focus on COVID has been developed for use by different institutions/ professionals/ students/ industries dealing with the subject in the country at various levels.

The aim of these programmes is to raise the level of awareness and preparedness as well as to enhance analytical skills and professional competencies of different key stakeholders in various areas of industrial safety and Disaster Risk Management. The e-learning courses are first of its kind in India which help different users in acquiring knowledge base in the subject. The courses provide excellent opportunities to learn about the Industrial Safety and Disaster Risk Reduction under professional guidance. The training materials may also be accessed through online course platform after completion of the course.

On successful completion of 3-day course the participants will be provided certificates jointly issued by the NIDM and FICCI. (Only the participants who attend all the 3 days of the course shall be eligible to receive the certificate).

**Course Contents:**

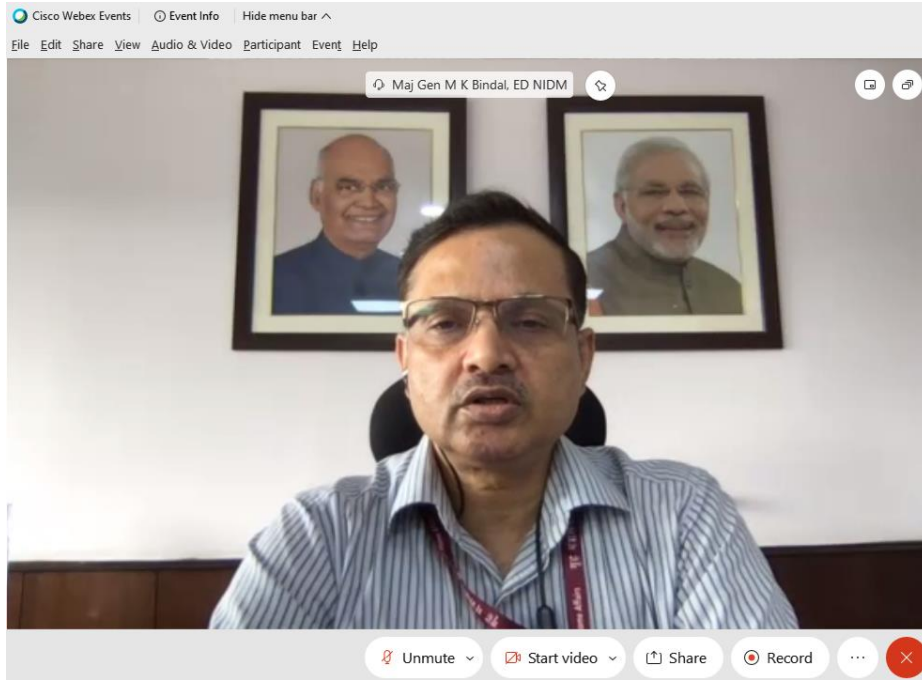
- Changing perspectives of industrial safety and chemical hazards
- Industrial – chemical accidents and environmental emergencies
- Techno-legal issues of safety and disaster risk management
- Business continuity - sustainability w.r.t. safety, health and resilience
- Land-use and site management for safety and accident risk management
- Hazardous substance and hazardous waste management
- Medical preparedness, occupational health and personnel safety
- Resilience to natural hazards in industries, storage and infrastructure
- Emerging lessons for technology, innovations and management

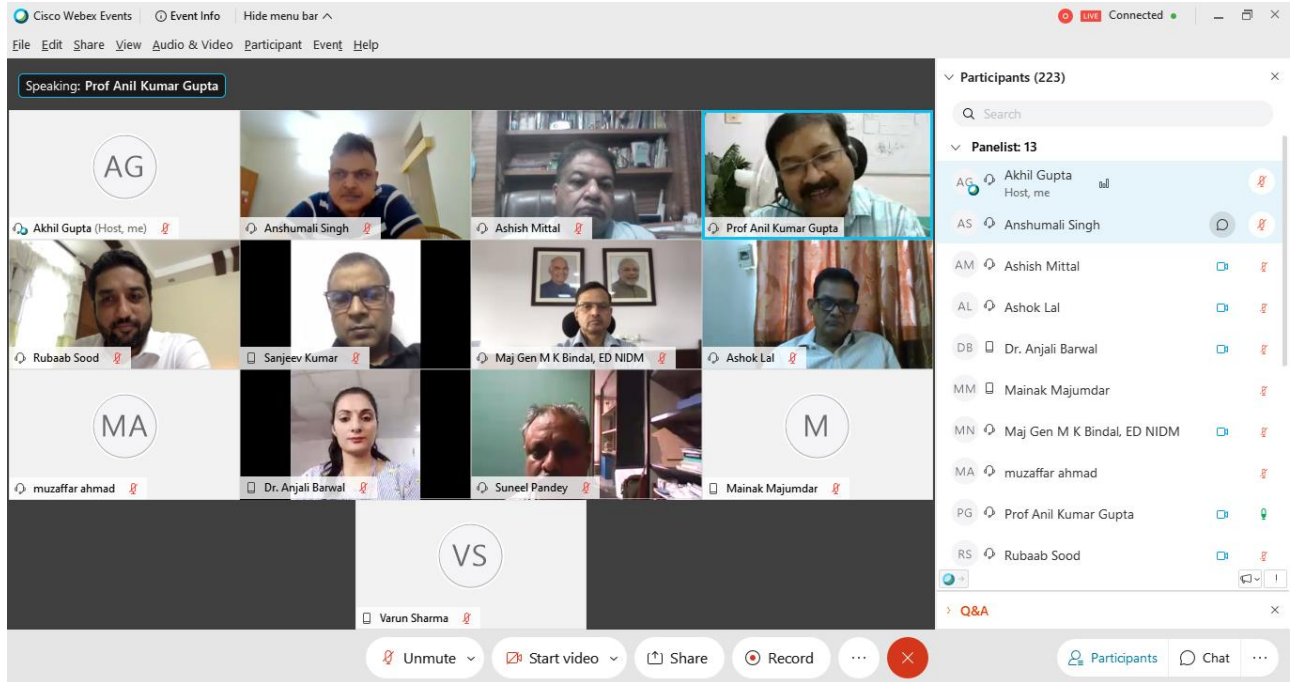
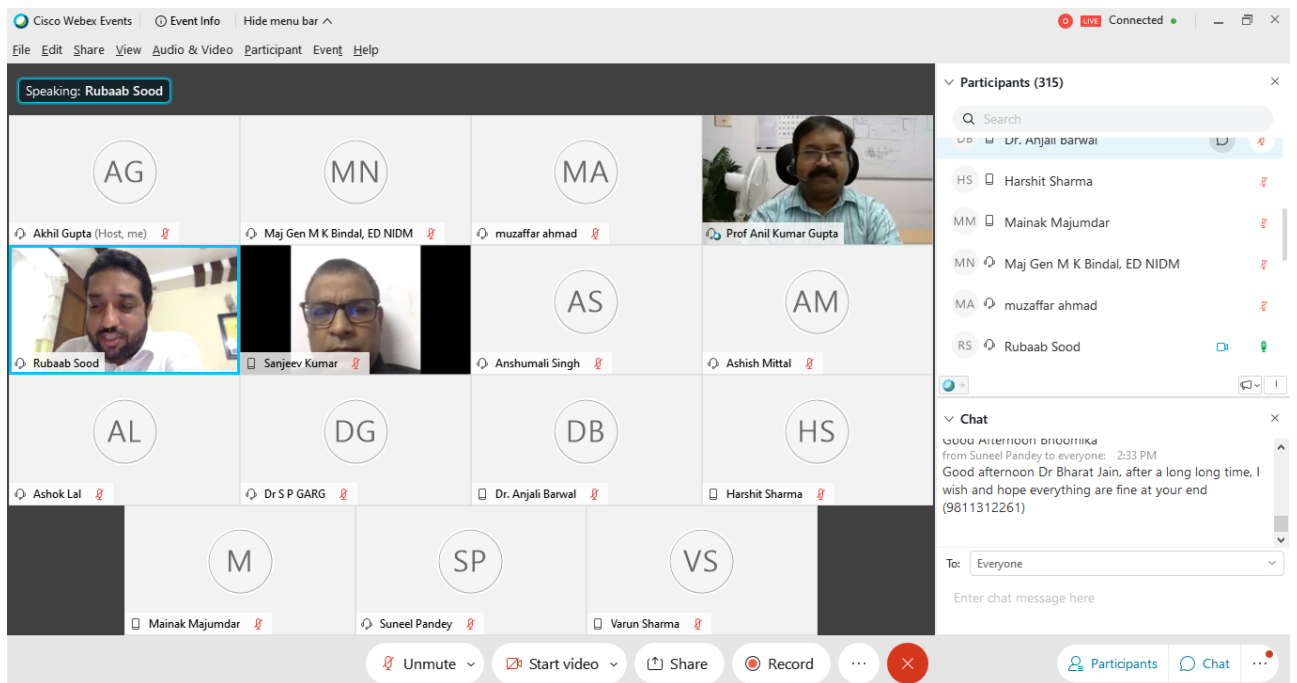
**Online "MASTERCLASS on Industrial Safety: Multi Hazard Scenario with special focus on COVID-19"**  
A 3-day certificate programme brought to you by NIDM and FICCI

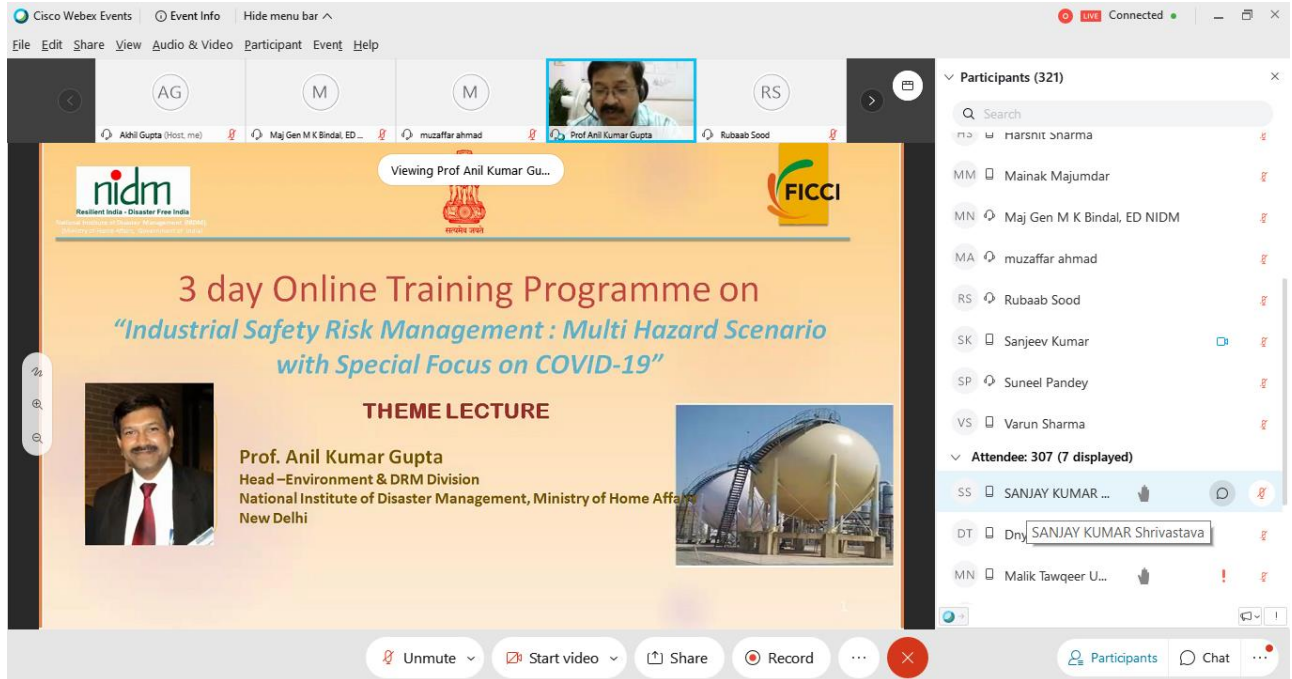
**Why to join e-learning Courses?**

- Completely online, Interactive & Convenient for users
- Designed to build competencies of general people & Disaster Management practitioners
- Helpful in knowledge & competency enhancement
- Free from physical examination system
- Automated system of course delivery
- Inspiring for social & humanitarian causes

# Day 1





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AG M M RS

Akhil Gupta (Host, me) Maj Gen M K Bindal, ED... muzaffar ahmad Prof Anil Kumar Gupta Rubaab Sood

Viewing Prof Anil Kumar Gu...

**nidm** Resilient India - Disaster Free India  
National Institute of Disaster Management (NIDM)  
(Ministry of Home Affairs, Government of India)

**FICCI**

3 day Online Training Programme on  
*"Industrial Safety Risk Management : Multi Hazard Scenario with Special Focus on COVID-19"*

**THEME LECTURE**

**Prof. Anil Kumar Gupta**  
Head –Environment & DRM Division  
National Institute of Disaster Management, Ministry of Home Affairs  
New Delhi

Participants (321)

Search

mm miansnit sharma

MM Mainak Majumdar

MN Maj Gen M K Bindal, ED NIDM

MA muzaffar ahmad

RS Rubaab Sood

SK Sanjeev Kumar

SP Suneel Pandey

VS Varun Sharma

Attendee: 307 (7 displayed)

SS SANJAY KUMAR ...

DT Dny SANJAY KUMAR Shrivastava

MN Malik Tawqeer U...

Unmute Start video Share Record

Participants Chat



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AG M M RS

Akhil Gupta (Host, me) Maj Gen M K Bindal, ED... muzaffar ahmad Prof Anil Kumar Gupta Rubaab Sood

**nidm** Resilient India - Disaster Free India  
National Institute of Disaster Management (NIDM)  
(Ministry of Home Affairs, Government of India)

**FICCI**

**Disaster Risk Management**

**DISASTER MANAGEMENT VEHICLE**

**RISK MANAGEMENT** **EMERGENCY RESPONSE**

Prevention Mitigation Preparedness

Planning Response

Hazard / Risk Reduction Vulnerability Reduction

ENVIRONMENT/ Community Governance

Emergency Risk Assessment

COMMAND Relief

Evaluation Monitoring Reconstruction

Management centric Operation centric

Participants (331)

Search

mm miansnit sharma

MM Mainak Majumdar

MN Maj Gen M K Bindal, ED NIDM

MA muzaffar ahmad

RS Rubaab Sood

SK Sanjeev Kumar

SP Suneel Pandey

VS Varun Sharma

Attendee: 317 (7 displayed)

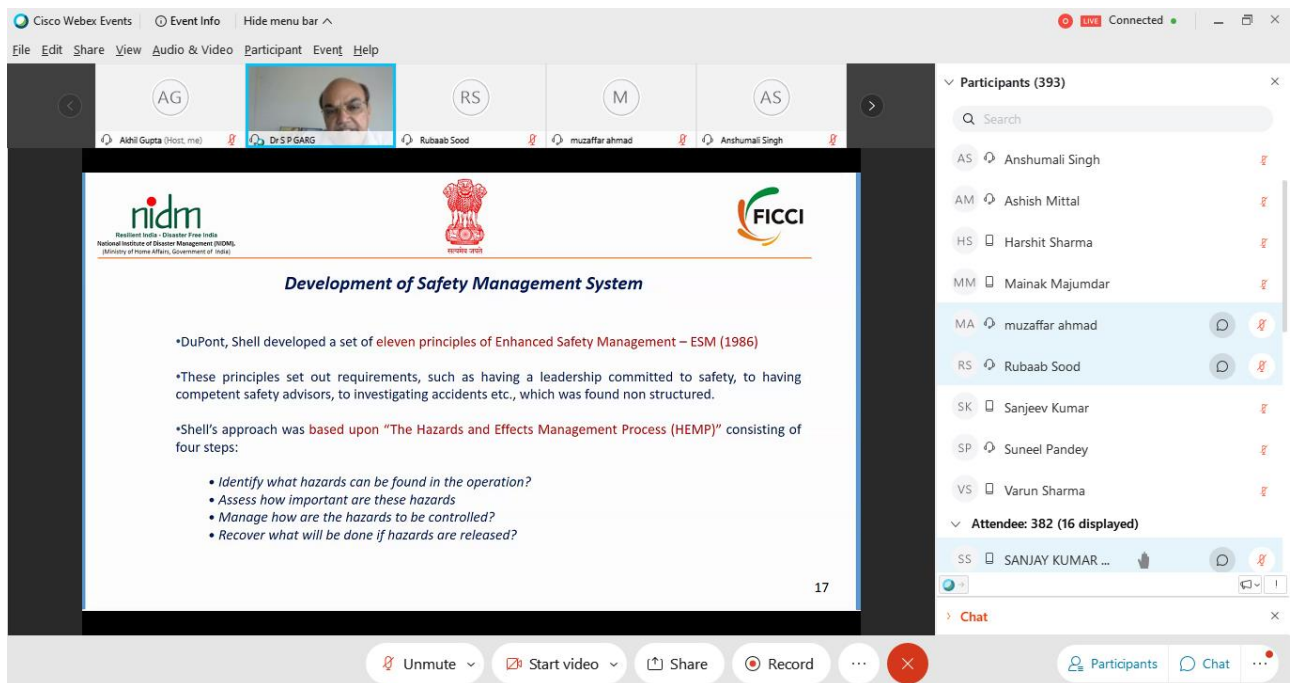
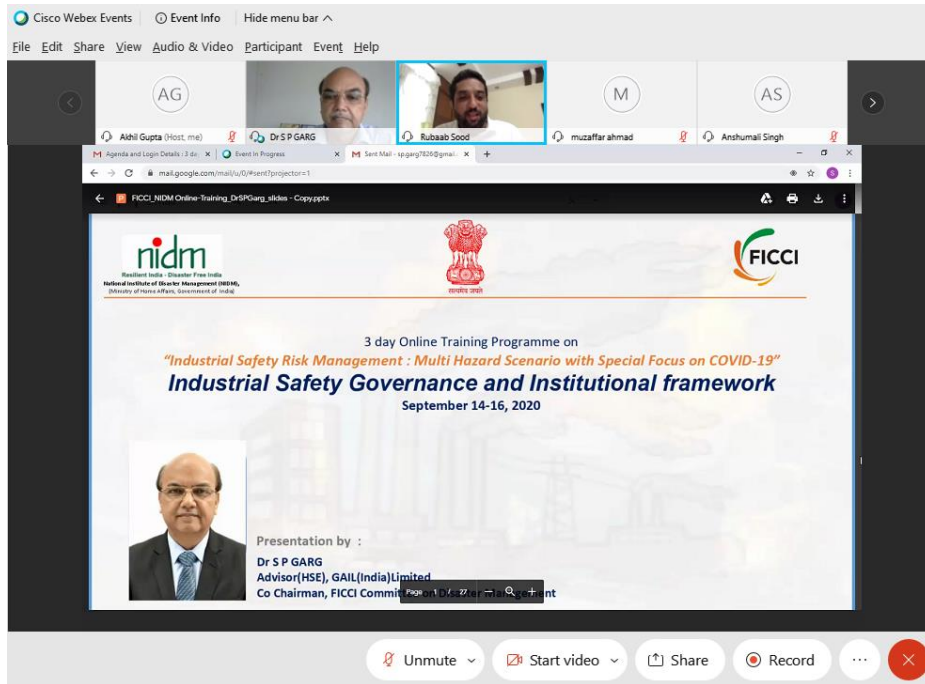
SS SANJAY KUMAR ...

DT Dnyaneshwar Sa...

MN Malik Tawqeer U...

Unmute Start video Share Record

Participants Chat



Cisco Webex Events | Event Info | Hide menu bar

File Edit Share View Audio & Video Participant Event Help

AG DG M A

Ahli Gupta (Host, me) Dr S P GARG Rubaab Sood muzaffar ahmad Anshumali Singh Ashish Mittal

Viewing Anshumali Singh's ...

File Home Insert Design Transitions Animations Slide Show Help

Clipboard Slides Font Paragraph Drawing

1 2 3 4 5

Slide 1 of 23 English (India)

Part 2: 3 day Online Training Programme on "Industrial Safety Risk Management - Multi-Hazard Scenarios with Special Focus on COVID-19" September 14-16, 2020

**Land Use: Planning and Control**

Presented by:  
Dr. Anshumali, Associate Professor,  
Laboratory of Biomedical Safety, Department of Environmental Science and Engineering,  
Indian Institute of Technology (Indian School of Mines) Dhanbad,  
Jharkhand-826001  
anshumali@iitism.ac.in | mail@anshumali.com  
9394055176

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AG DG RS

Ahli Gupta (Host, me) Dr S P GARG Rubaab Sood muzaffar ahmad Anshumali Singh

Participants (376)

Search

enayatr ui...

AM Amit kum... ?

V vishnu ?

DK dr deepak... ?

KS kamal shukla ?

V vishal ?

PB Priyabrata... ?

Q&A

All (62) My Q&A (20)

Select a question and then type your answer here. There's a 256-character limit.

Send Send Privately...

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2001 2020

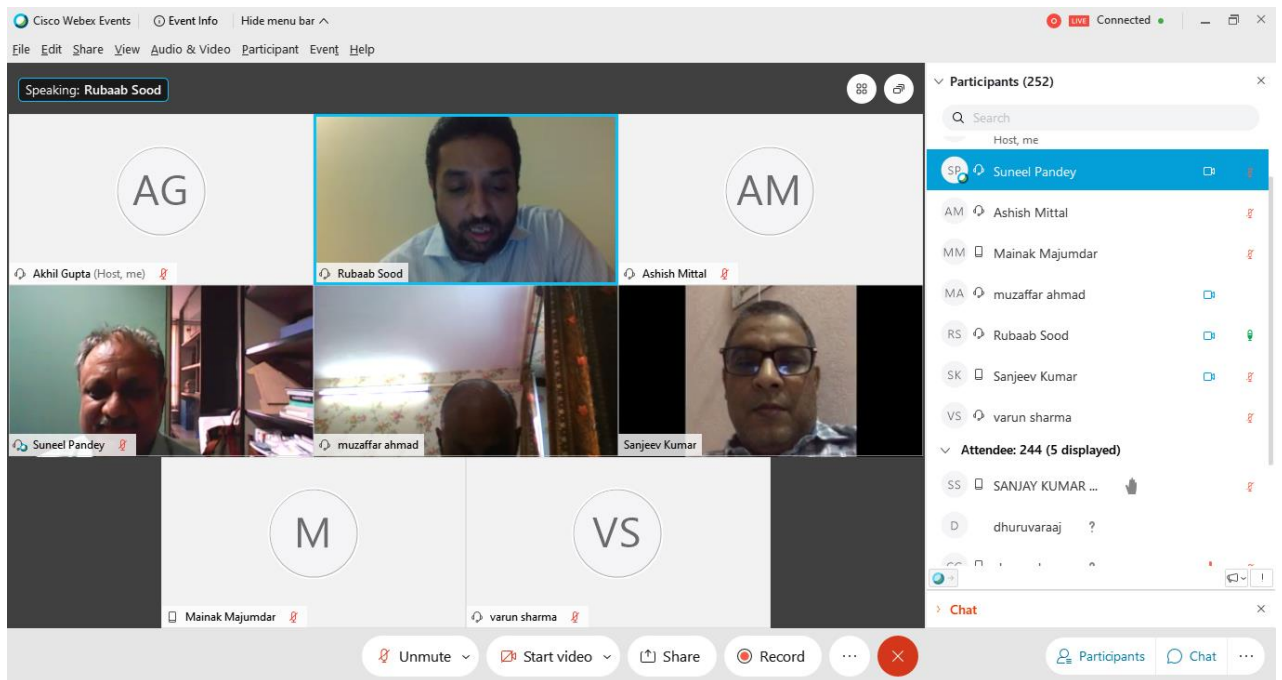
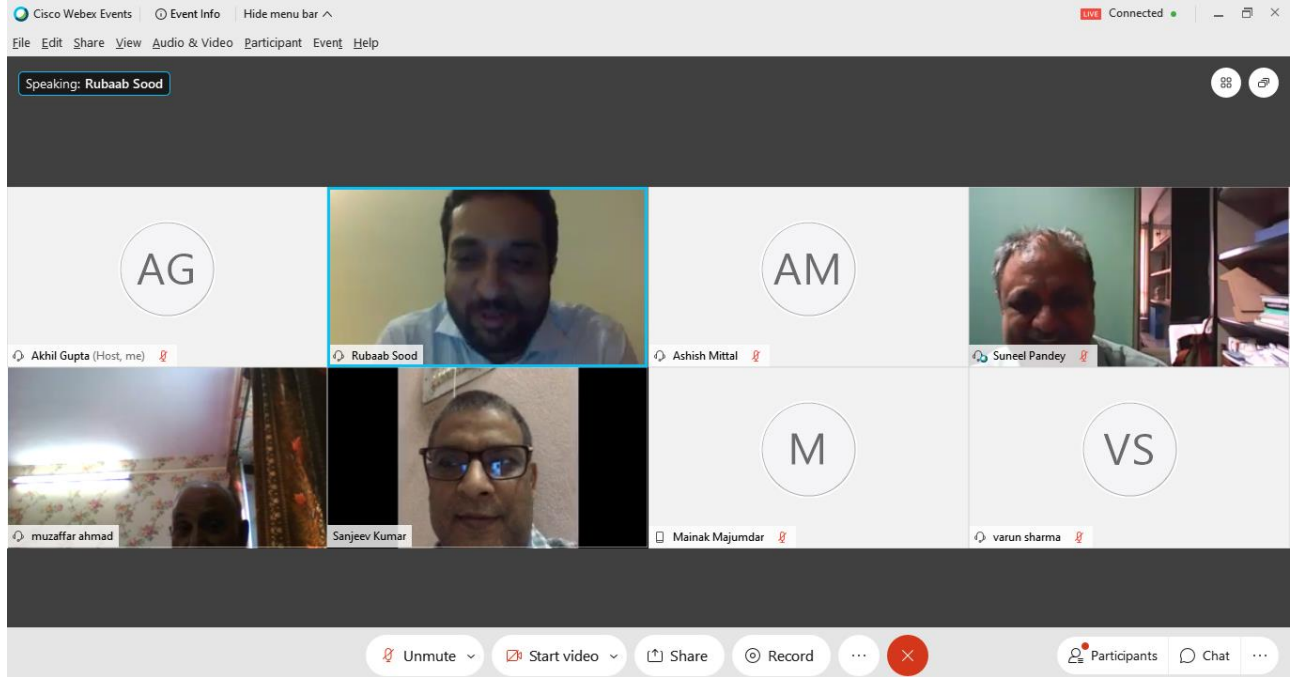
**2. South Eastern Son River Basin**

Land use/ Land cover

1. Forest area deforested for agricultural purpose and settlements.  
2. Streams and nalas feeding origin of Rihand River disappeared.  
3. Local people migrated from the area and settled in new regions.  
4. Existing agricultural areas of 2001 expanded and intensified in barren area.

17

## Day 2




Cisco Webex Events | Event Info | Hide menu bar ^

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Viewing Suneel Pandey's ap...

Hazardous Waste\_Suneel\_September 2020.pdf - Adobe Reader

Unscientific disposal



6

Speaking: Suneel Pandey

Suneel Pandey

Participants (282)

Panelist: 7

- AG Akhil Gupta Host, me
- SP Suneel Pandey
- AM Ashish Mittal
- MM Mainak Majumdar

Chat

Unmute Start video Share Record

Participants Chat

Cisco Webex Events | Event Info | Hide menu bar ^

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Viewing Suneel Pandey's ap...

Hazardous Waste\_Suneel\_September 2020.pdf - Adobe Reader

Constituents of oily sludge

Constituents of oily sludge	Composition (%)
Steam extractable total petroleum hydrocarbon in oily sludge	Nil
Solvent extractable TPH in oily sludge	28.32
Water content in oily sludge	24
Organic carbon in oily sludge	19.8
Sediments (sand, silt, etc.)	27.88

Constituents of TPH

Saturated hydrocarbons fraction	56.0
Aromatic fraction	35.0
NSO fraction	4.0
Asphaltene fraction	5.0

21

Speaking: Suneel Pandey

Suneel Pandey

Participants (331)

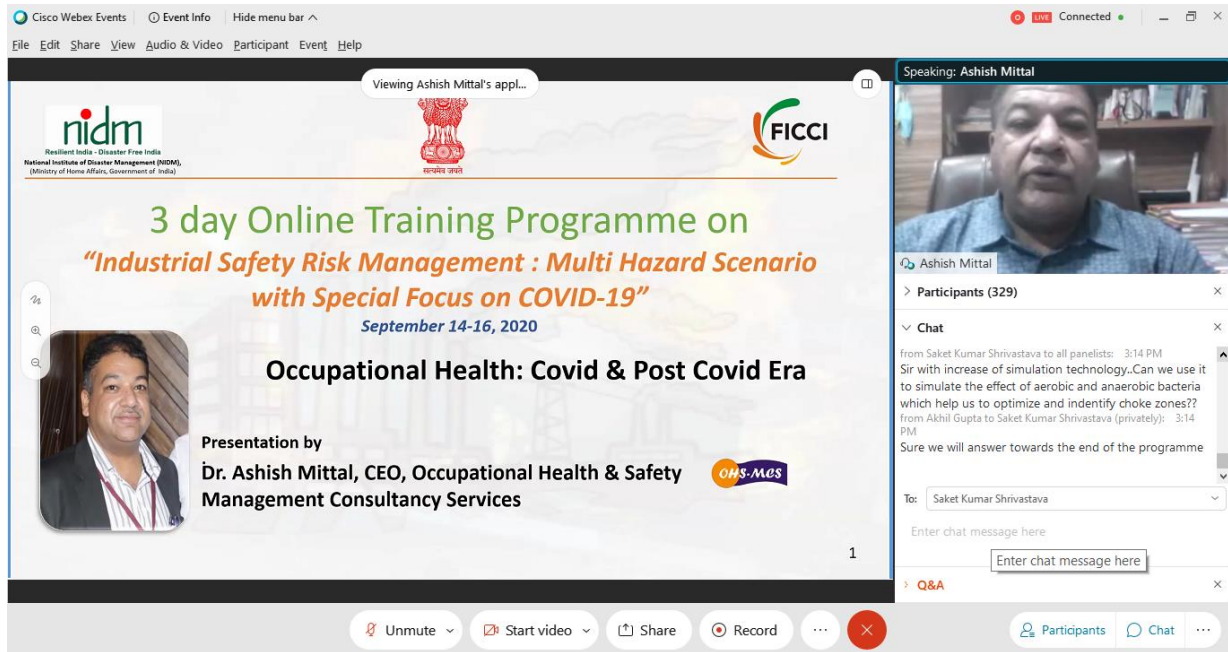
Panelist: 9

- AG Akhil Gupta Host, me
- SP Suneel Pandey
- AM Ashish Mittal
- JK Jugal Kishore
- MM Mainak Majumdar

Chat

Unmute Start video Share Record

Participants Chat



Viewing Ashish Mittal's appl...

Speaking: Ashish Mittal

**3 day Online Training Programme on**  
**"Industrial Safety Risk Management : Multi Hazard Scenario**  
**with Special Focus on COVID-19"**  
September 14-16, 2020

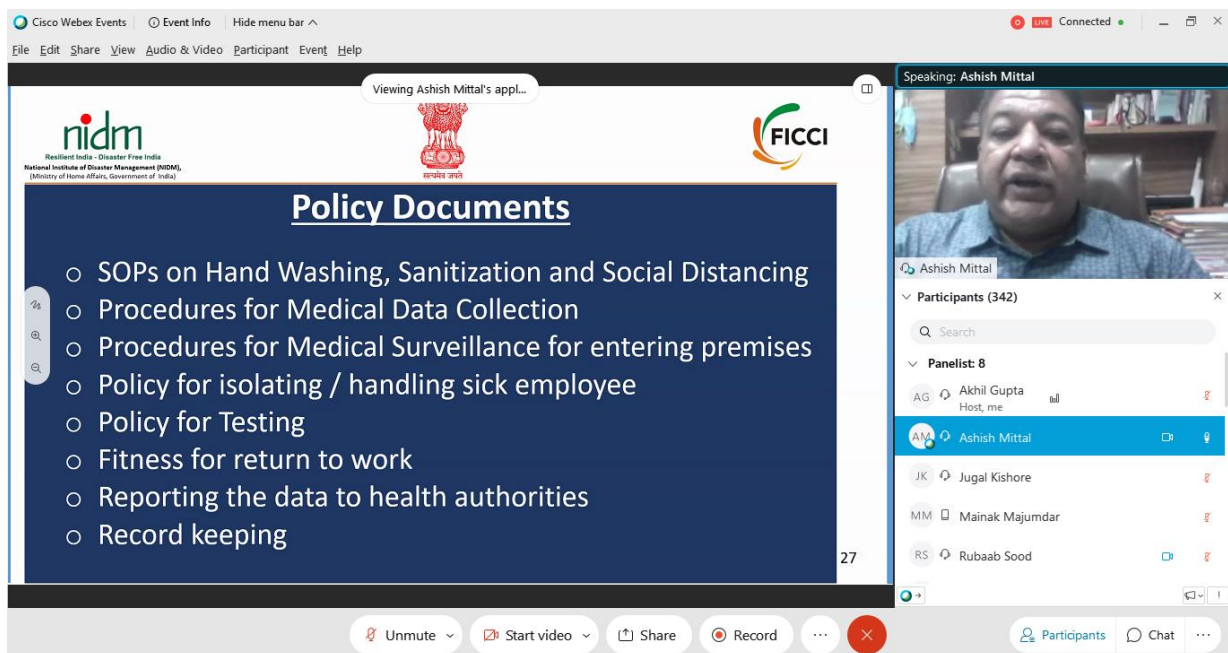
**Occupational Health: Covid & Post Covid Era**

Presentation by  
**Dr. Ashish Mittal, CEO, Occupational Health & Safety**  
**Management Consultancy Services**

Chat:  
from Saket Kumar Shrivastava to all panelists: 3:14 PM  
Sir with increase of simulation technology..Can we use it to simulate the effect of aerobic and anaerobic bacteria which help us to optimize and identify choke zones??  
from Akhil Gupta to Saket Kumar Shrivastava (privately): 3:14 PM  
Sure we will answer towards the end of the programme

Participants (329)

Unmute Start video Share Record



Viewing Ashish Mittal's appl...

Speaking: Ashish Mittal

**Policy Documents**

- SOPs on Hand Washing, Sanitization and Social Distancing
- Procedures for Medical Data Collection
- Procedures for Medical Surveillance for entering premises
- Policy for isolating / handling sick employee
- Policy for Testing
- Fitness for return to work
- Reporting the data to health authorities
- Record keeping

Participants (342)

Panelist: 8

AG Akhil Gupta Host, me

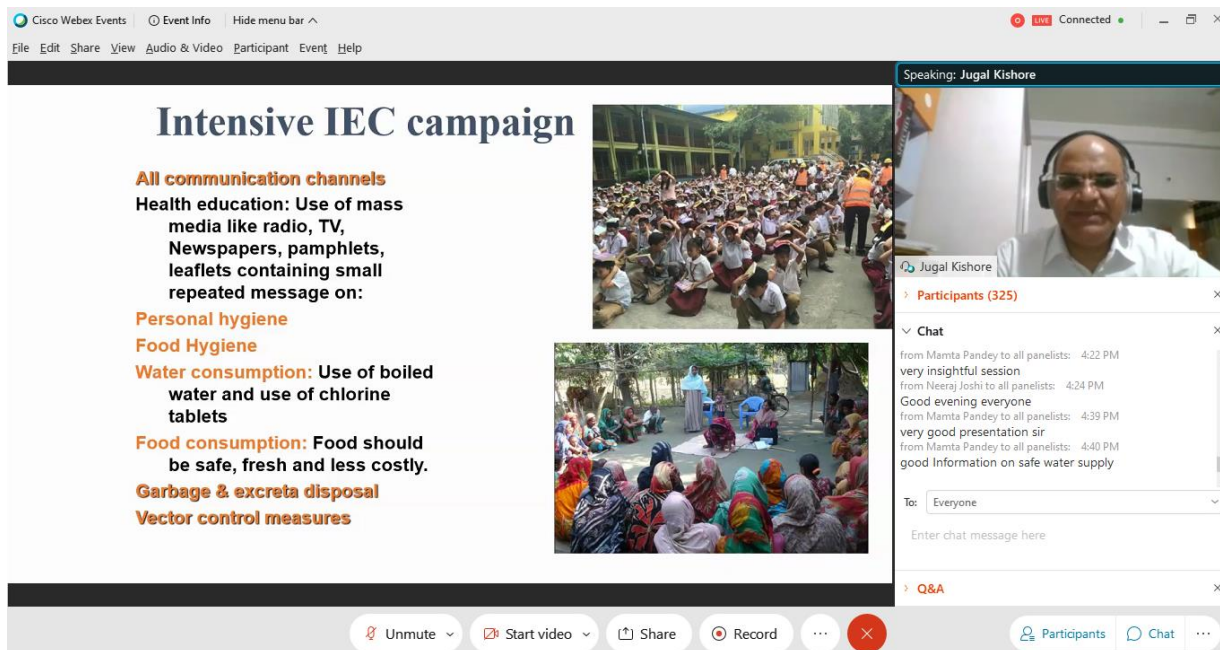
AM Ashish Mittal

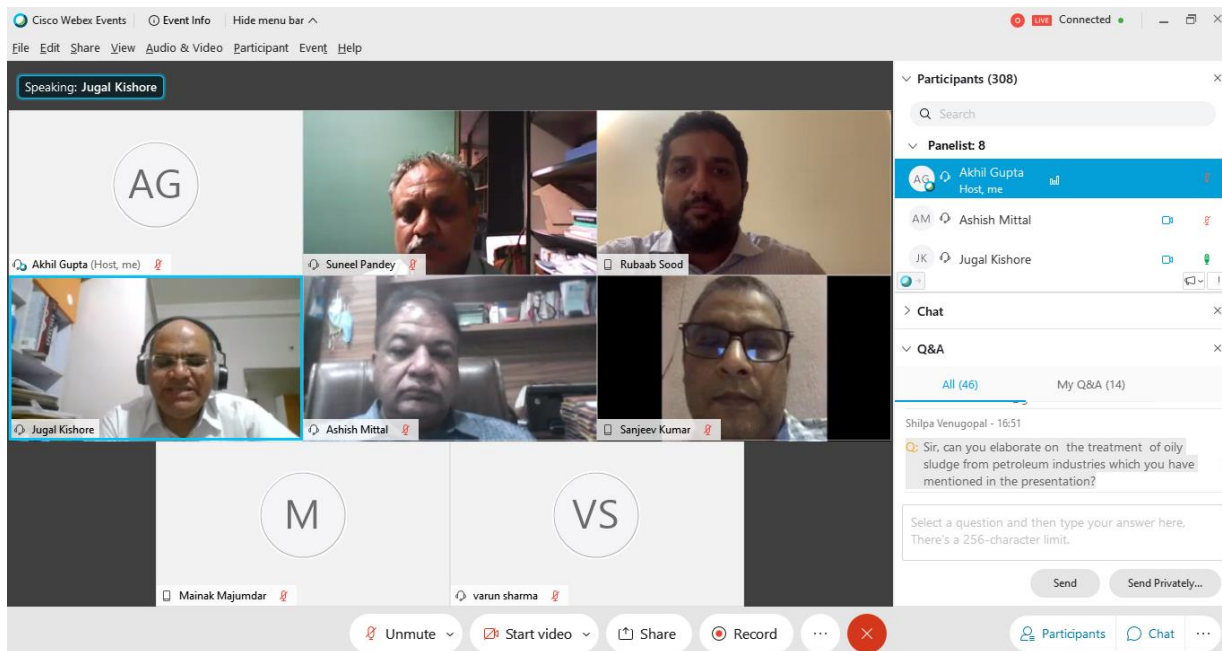
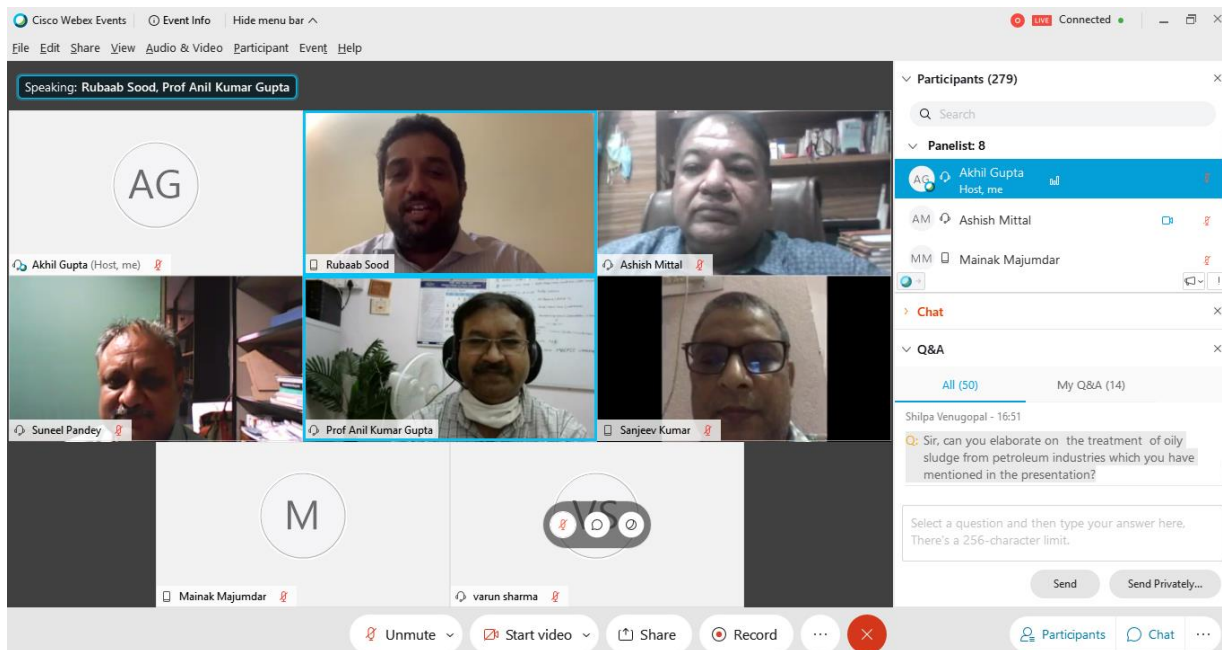
JK Jugal Kishore

MM Mainak Majumdar

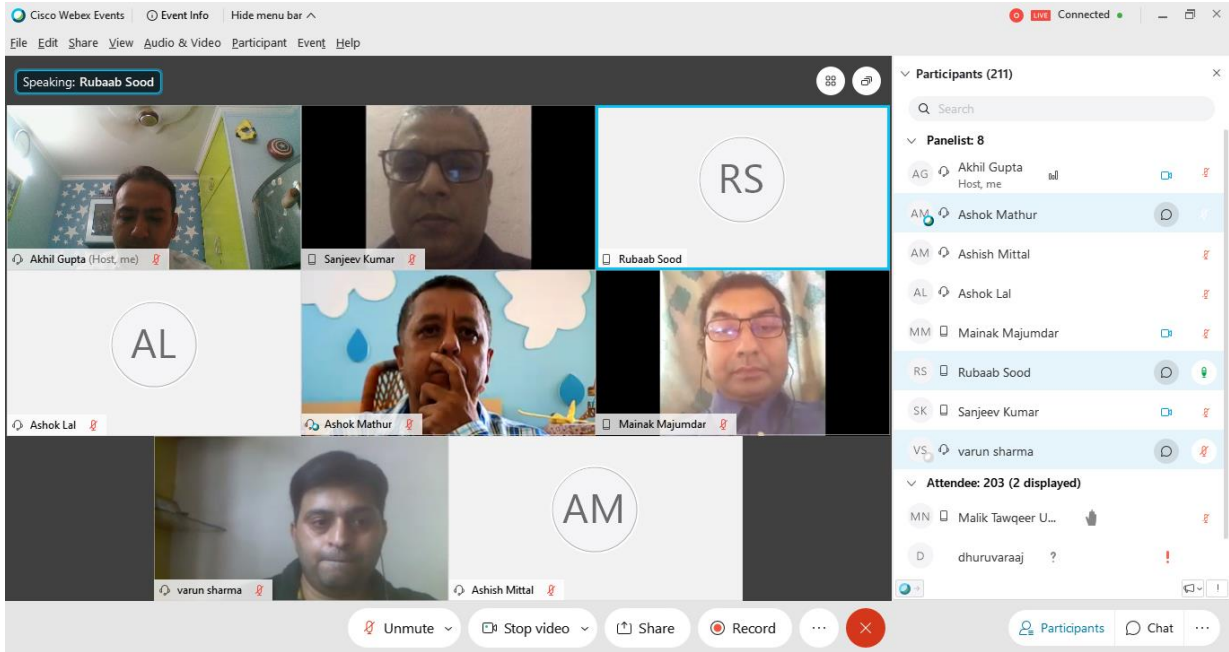
RS Rubaab Sood

Unmute Start video Share Record



# Day 3

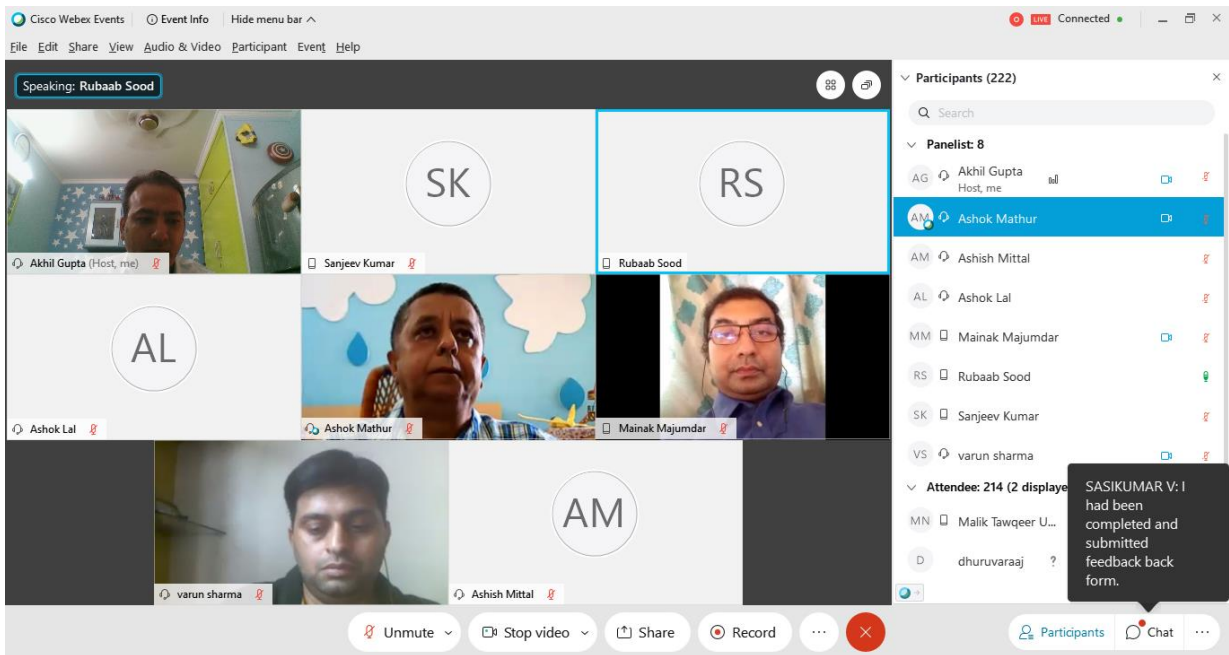


**Speaking: Rubaab Sood**

**Participants (211)**

- Panelist 8**
  - AG Akhil Gupta (Host, me)
  - AM Ashok Mathur
  - AM Ashish Mittal
  - AL Ashok Lal
  - MM Mainak Majumdar
  - RS Rubaab Sood
  - SK Sanjeev Kumar
  - VS varun sharma
- Attendee: 203 (2 displayed)**
  - MN Malik Tawqeer U...
  - D dhuruvaraj ?

Unmute | Stop video | Share | Record



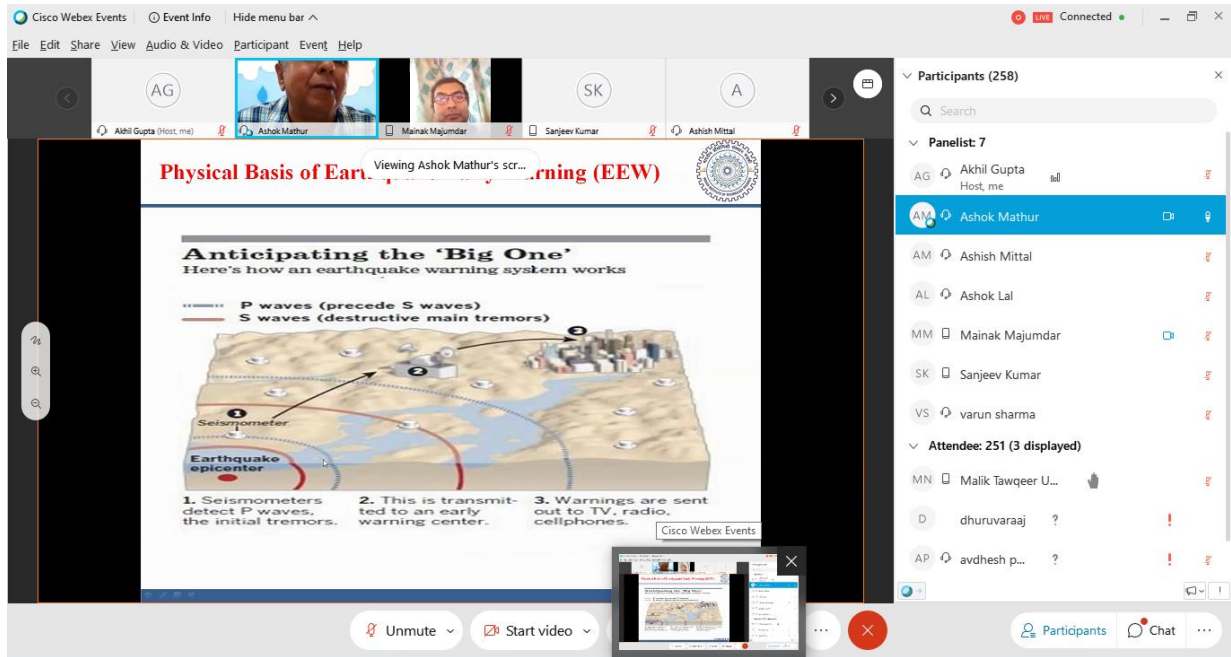
**Speaking: Rubaab Sood**

**Participants (222)**

- Panelist 8**
  - AG Akhil Gupta (Host, me)
  - AM Ashok Mathur
  - AM Ashish Mittal
  - AL Ashok Lal
  - MM Mainak Majumdar
  - RS Rubaab Sood
  - SK Sanjeev Kumar
  - VS varun sharma
- Attendee: 214 (2 displayed)**
  - MN Malik Tawqeer U...
  - D dhuruvaraj ?

Unmute | Stop video | Share | Record

**Chat:** SASIKUMAR V: I had been completed and submitted feedback back form.

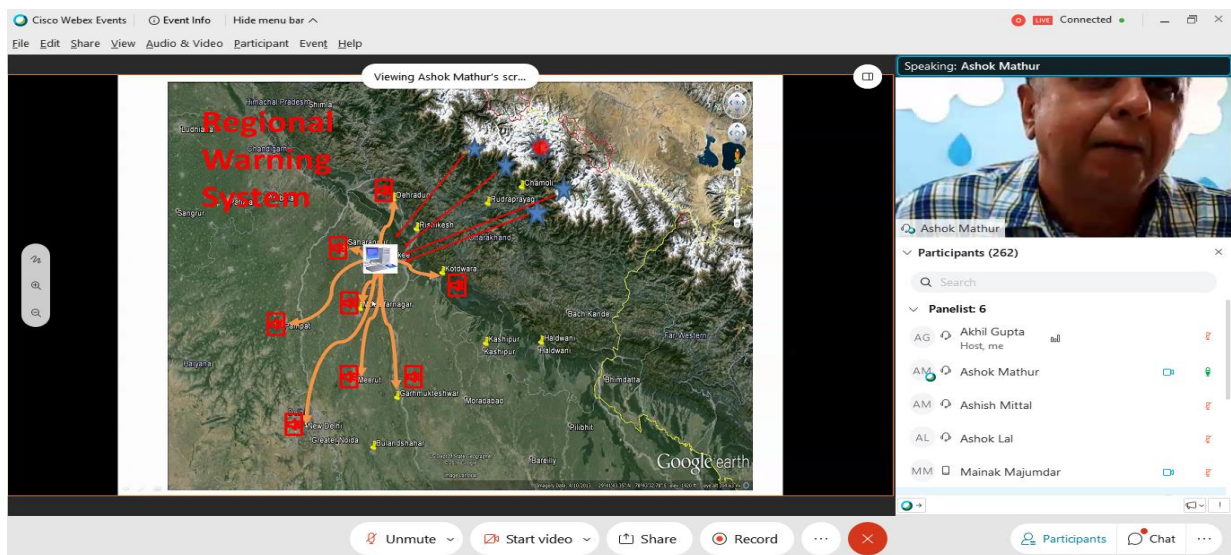


**Physical Basis of Earthquake Warning (EEW)**

Anticipating the 'Big One'  
Here's how an earthquake warning system works

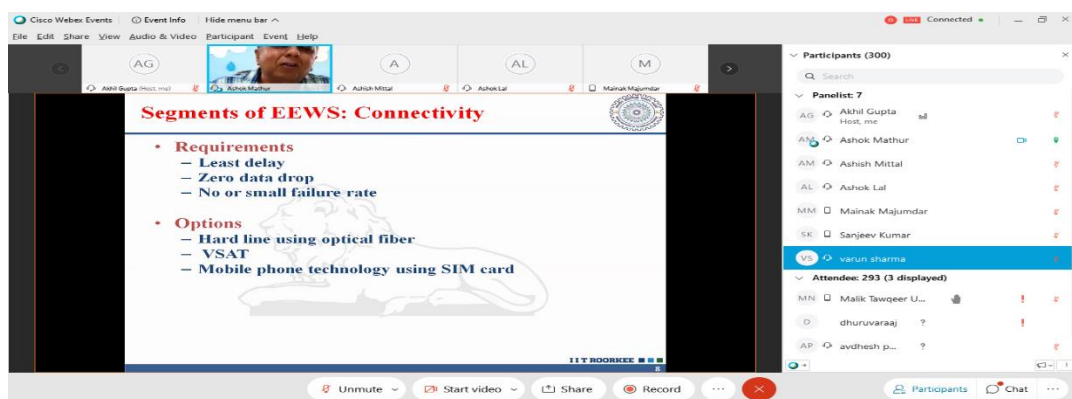
- P waves (precede S waves)**
- S waves (destructive main tremors)**

1. Seismometers detect P waves, the initial tremors.
2. This is transmitted to an early warning center.
3. Warnings are sent out to TV, radio, cellphones.



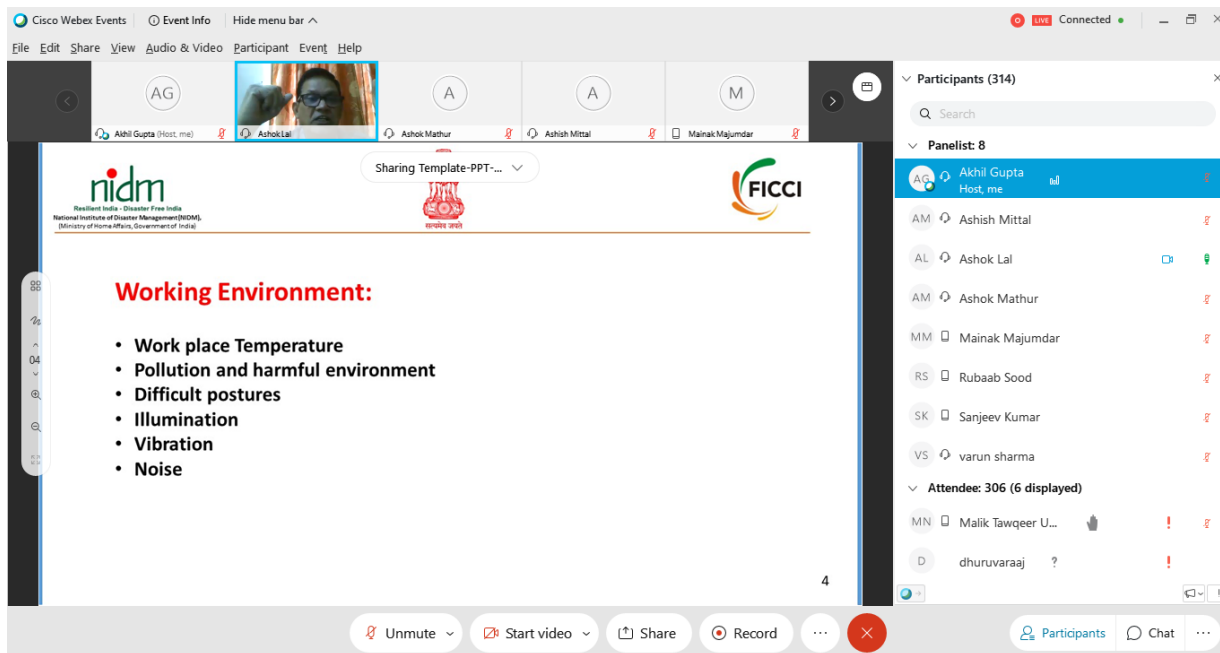
**Regional Warning System**

Map showing various cities in India including Bhubaneswar, Ranchi, Patna, and others, with red markers indicating warning stations.



**Segments of EEWs: Connectivity**

- Requirements**
  - Least delay
  - Zero data drop
  - No or small failure rate
- Options**
  - Hard line using optical fiber
  - VSAT
  - Mobile phone technology using SIM card



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Participants: 314

Panelist: 8

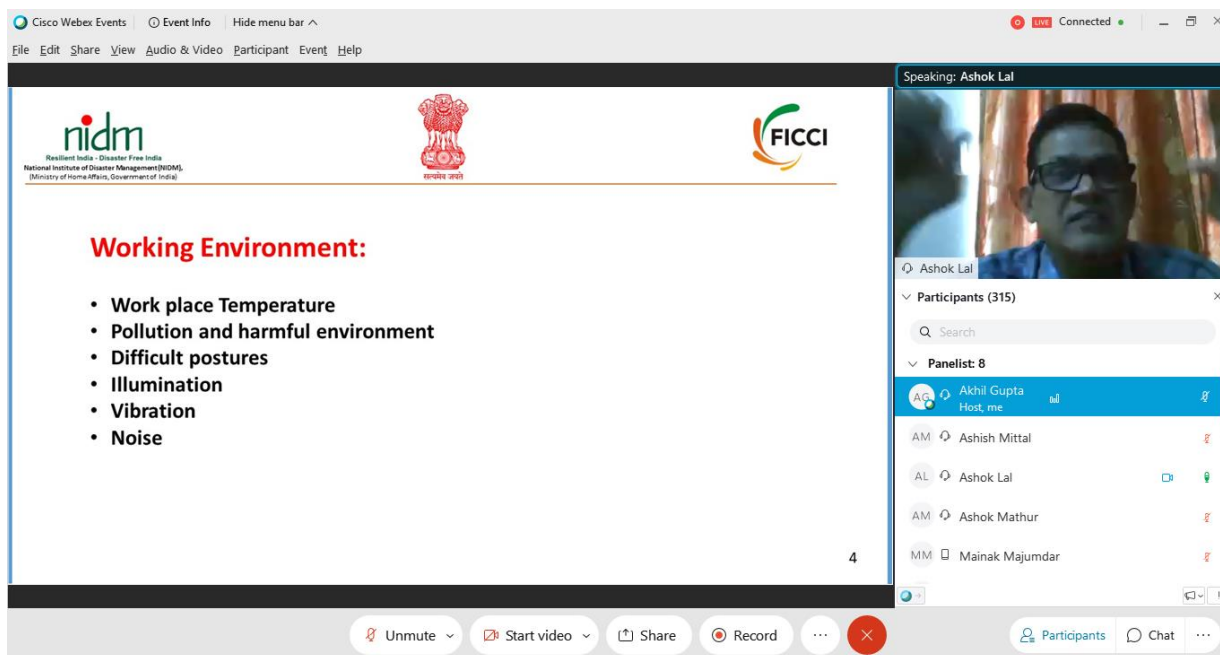
Attendee: 306 (6 displayed)

Sharing Template-PPT-...

**Working Environment:**

- Work place Temperature
- Pollution and harmful environment
- Difficult postures
- Illumination
- Vibration
- Noise

Unmute Start video Share Record Participants Chat



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Speaking: Ashok Lal

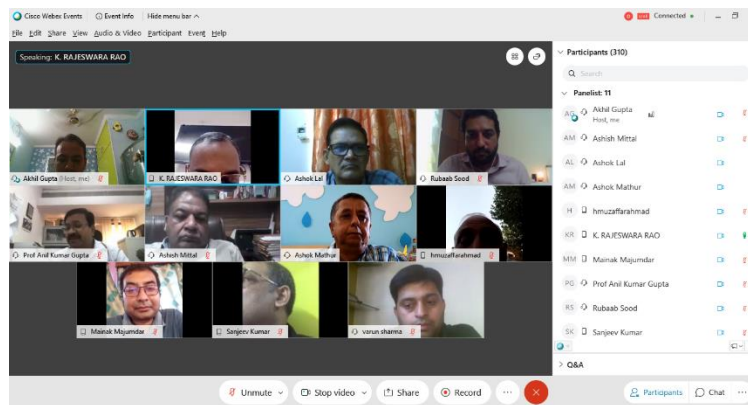
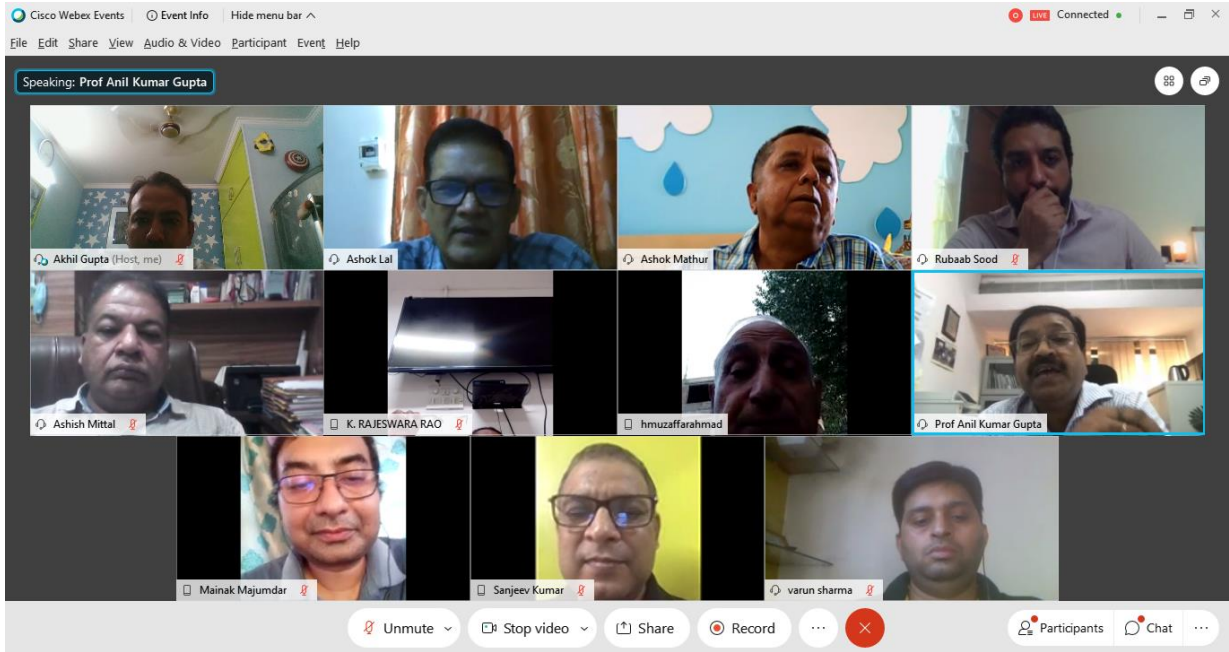
Participants: 315

Panelist: 8

**Working Environment:**

- Work place Temperature
- Pollution and harmful environment
- Difficult postures
- Illumination
- Vibration
- Noise

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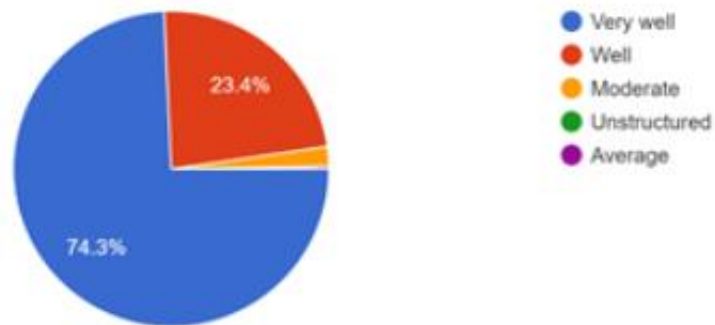


## Part II - 3 Day Online Training Programme on Industrial Safety Risk Management: Multi-Hazard Scenario with Special Focus on COVID19

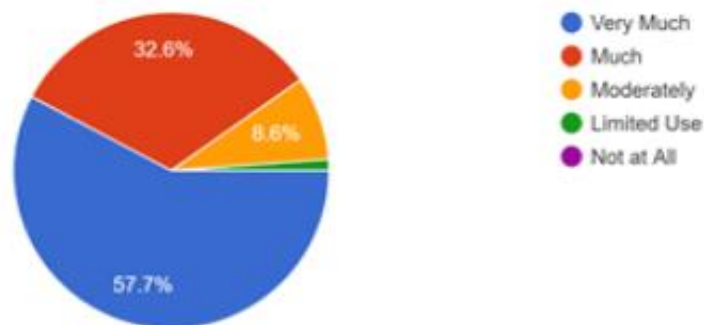
September 14-16, 2020

### Feedback from participants

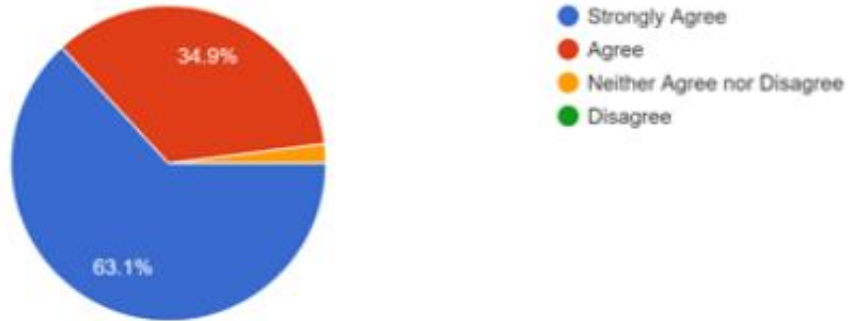
I think the structure and the organization of the course fulfilled the objective of the Training Programme  
350 responses



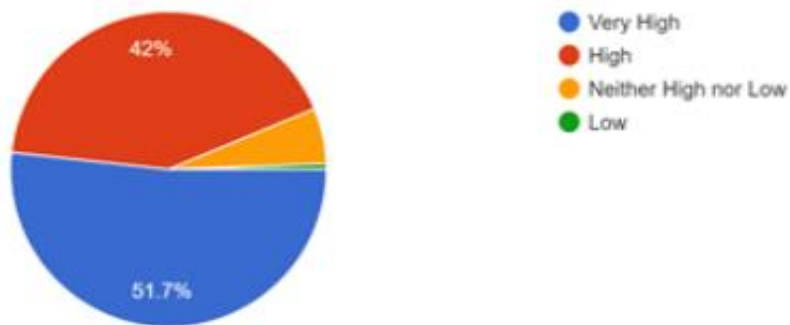
I feel this programme will be useful to me immediately in my job  
350 responses



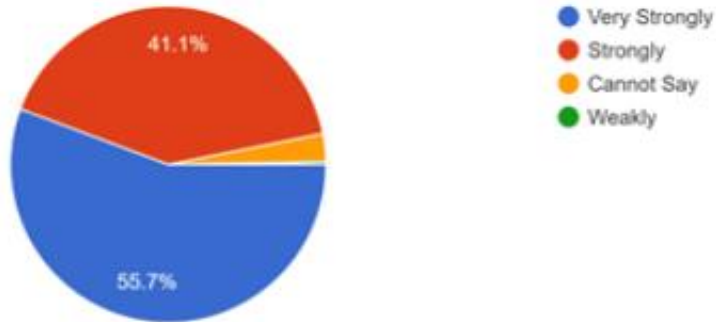
I believe this will be helpful to me in my future job in Disaster Management  
350 responses



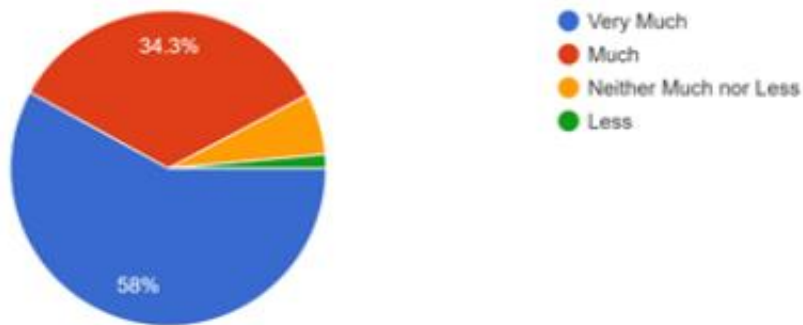
Practical Orientation of Training Programme  
350 responses



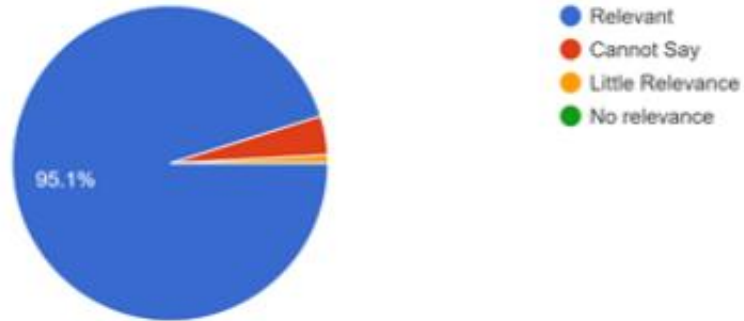
I feel this inspires me to take assignments related to Disaster Management  
350 responses



I have benefitted from interaction with fellow participants in the course  
350 responses



I found the course material like ppts to be  
350 responses



## Part II - 3 Day Online Training Programme on Industrial Safety Risk Management: Multi-Hazard Scenario with Special Focus on COVID19, September 14-16, 2020

### YouTube Video Recording

### Day 1



**Day 1**

Opening Remarks by: Lt Gen (Dr) J R Bhardwaj, Former Member, NDMA, Government of India and Chairman, CIDM; Major General M K Bindal, Executive Director, ISGM, Government of India.

Eminent Speakers: Dr Anshumali, Associate Professor, IIT DML, Dhanbad; Dr Jagal Kishore, Director, VNSCT & Sakshigang Hospital; Dr S P Garg, Former IIS, GSI; Dr Sunil Patil, Director, PAM.

Theme Lecture by: Dr Anil K Gupta, Professor, NIDM, Government of India; Dr Ashok Mathur, Professor (Retd.), IIS, Koorpes; A R Lal, Chairman, Safety Centre, India; Dr Ashish Mittal, CEO, OHS Management, Consultancy Services.

### Day 2



**Day 2**

Opening Remarks by: Lt Gen (Dr) J R Bhardwaj, Former Member, NDMA, Government of India and Chairman, CIDM; Major General M K Bindal, Executive Director, ISGM, Government of India.

Eminent Speakers: Dr Anshumali, Associate Professor, IIT DML, Dhanbad; Dr Jagal Kishore, Director, VNSCT & Sakshigang Hospital; Dr S P Garg, Former IIS, GSI; Dr Sunil Patil, Director, PAM.

Theme Lecture by: Dr Anil K Gupta, Professor, NIDM, Government of India; Dr Ashok Mathur, Professor (Retd.), IIS, Koorpes; A R Lal, Chairman, Safety Centre, India; Dr Ashish Mittal, CEO, OHS Management, Consultancy Services.

### Day 3



**Day 3**

Opening Remarks by: Lt Gen (Dr) J R Bhardwaj, Former Member, NDMA, Government of India and Chairman, CIDM; Major General M K Bindal, Executive Director, ISGM, Government of India.

Eminent Speakers: Dr Anshumali, Associate Professor, IIT DML, Dhanbad; Dr Jagal Kishore, Director, VNSCT & Sakshigang Hospital; Dr S P Garg, Former IIS, GSI; Dr Sunil Pandey, Director, PAM, TRH.

Theme Lecture by: Dr Anil K Gupta, Professor, NIDM, Government of India; Dr Ashok Mathur, Professor (Retd.), IIS, Koorpes; A R Lal, Chairman, Safety Centre, India; Dr Ashish Mittal, CEO, OHS Management, Consultancy Services.

**Part II - 3 Day Online Training Programme on Industrial Safety  
Risk Management: Multi-Hazard Scenario with Special Focus on  
COVID19, September 14-16, 2020**

**CERTIFICATE OF PARTICIPATION**

	 सत्यमेव जयते	S. NO. <u>OTPIS2001</u>
 Resilient India - Disaster Free India		
<b>NATIONAL INSTITUTE OF DISASTER MANAGEMENT</b> (Ministry of Home Affairs, Govt. of India) New Delhi		
<b>CERTIFICATE</b>		
This is to certify that		
<b>VARUN SHARMA</b>		
has participated in the		
<b>Part II - 3 Day Online Training Programme on</b>		
<b>“Industrial Safety Risk Management: Multi Hazard Scenario with Special Focus on COVID 19”</b>		
organized by <b>National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India</b> in		
collaboration with <b>FICCI CIDM</b> on September 14-16, 2020		
 <b>Lt Gen Dr J R Bhardwaj</b> Former Member, NDMA, Government of India and Chairman – CIDM Board	 <b>Dr Anil Kumar Gupta</b> Professor & Head - ECDRM National Institute of Disaster Management (NIDM) New Delhi	 <b>Maj. Gen. Manoj Kumar Bindal</b> Executive Director National Institute of Disaster Management (NIDM) New Delhi