

Awareness-cum Training Workshop on  
**Chemical Emergency : Preparedness & Response**  
Organized by  
**M. P. Pollution Control Board & Emergency Response Centre**

**A Note on the Proceedings of the Workshop**

The Emergency Response Centre, Bhopal under an "out-reach" program organized a one day awareness & training programme on "Chemical Emergency : Preparedness and Response" on 29<sup>th</sup> July 2011 at the Conference hall of M/s. Bridgestone India (Private) Ltd, Sector-III, Pithampur, Dist. Dhar. The activity was aimed to create awareness about the Chemical emergency preparedness & response among the industry personnel, the different first responder groups (officials from Police, Fire brigade, district administration , Department of Industrial Health & Safety etc.) and also the people living in the vicinity of chemical industries.

After the floral welcome of the guests seated at the Dias, the program was formally inaugurated by Dr. N.P. Shukla , the Chairman, M.P. Pollution Control Board and Shri Ashok Kumar Chauhan, Additional Collector, Dhar by lighting the ceremonial lamp. This was followed by the welcome address from Shri Hemant kumar Sharma, Regional Officer, M.P. Pollution Control Board, Dhar who, while wellcomming the guests and the participants, briefly highlighted the issues related to the chemical process plants in the Pithampur industrial area.

The opening remarks were made by Dr. Gunwant Joshi, Chief Chemist and Head of Emergency Response Centre, who highlighted the importance of preparedness in the chemical emergencies and also gave a brief introduction to the "Out reach" program of ERC

The chief guest of the function, Dr. N.P. Shukla under who's initiative and directions the activity was organized, said that the transparency, responsibility are the cornerstones of board's work culture as reflected in Board's recent initiatives such as implementation of "Narmada XGN" and "Out-reach" program of ERC. He asked the

industries to avail full benefits of these initiatives and share freely all their concerns with the Board. He said that the board officials are not just the regulators but also be considered as the partners in safeguarding the Environment and achieving the goal of Industrial development with "Responsible Care" concept. Dr Shukla said that ERC should take-up the issues of chemical safety and preparedness not only with its member industries and the first responders but also to the people living in the vicinity. He further stressed that the ERC team should be vigilant and must go to all its member industries in their respective location settings, have a feel of the area and try to address the issues relevant to maintaining high levels of preparedness to meet chemical emergencies so that better service may be rendered by ERC.

Shri Ashok Kumar Chauhan, who was the special guest of honour and presided the function, praised the initiative taken by the M.P. Pollution Control Board and stressed the importance of the preparedness in chemical industry. He asked the industry representatives and the various first responder agencies to make use of this opportunity provided by ERC and prepare themselves to deal with any eventuality or chemical emergency. He thanked the Chairman Dr Shukla, the Regional officer and the ERC team for taking initiative in organizing such an useful activity.

Shri Vallabh Kadia, Joint Director, Deptt. of Industrial Health & Safety, Indore shared with the audience the issues related to the onsite emergency plan and mock drills and thanked ERC for taking-up the out reach program. He further expressed that such programs shall help develop better coordination amongst the industry, the first responders, regulators and the technical support group, such as ERC, and appealed the industry representatives to make best use of this opportunity.

The Vote of Thanks was extended by Shri H. Wakamatsu, Director Technical, M/s. Bridgestone India (Private) Ltd, who appealed the audience to carry the message of safe practices in the chemical process and requested the industries to adopt the safe practices in their own industrial installations by implementing the lessons learnt at the workshop. He also praised the efforts of ERC, M.P. Pollution Control Board, Bhopal

in addressing such an important issue and assured full support to such activities. The inauguration function was conducted by Shri Manoj Jain wherein A total of 125 participants from various industries, District administration, the first responders and the regulators (MPPCB and DIHS) attended the program.

The technical program was divided in to two technical sessions, each comprising of two lectures followed by discussions. The resource persons were drawn from the Central Pollution Control Board, Delhi, NIC at Ministry of Environment & Forests, New Delhi, Disaster Management Institute, Bhopal and Petroleum & Explosives Safety Organization, Gol, Zonal office, Bhopal.

In the 1<sup>st</sup> technical session, Dr. Asit Patra, Assistant. Director, DMI, Bhopal stressed on the importance of On-site and off-site emergency plans and opined that the regular Mock drills are essential to ensure the high level of safety and preparedness in Chemical industries.

The 2<sup>nd</sup> speaker of the session was Mr. Mukesh Titre, Controller, Petroleum & Explosives Safety Organization, Bhopal who spoke about the safe handling, storage and use of petroleum products at the industrial locations. He also highlighted some of the common non-compliances by the industries in this regards and pointed out the possible damages it may result in to if an emergency or eventuality occurs.

In the 2<sup>nd</sup> technical session, Shri H.V. Gurudutt of CPCB spoke on 'Manufacture, Storage & Import of Hazardous Chemicals Rules 1989 and informed about status of import of hazardous chemicals in the country. He also talked about a couple of major accidents involving the chemicals and the monitoring activity of CPCB.

The final lecture of the technical session was by Shri Sanjay Gahlout, Dy. Director General at the National Informatics Centre, Ministry of Environment & Forest, New Delhi. Mr.Gahlout, in an extremely lucid manner, traced the development and application of information technology in the cause of accident prevention and mitigation. He told about how the GIS based software placed by the ministry on the

web is useful to quick and effective decision making. This is specially important as the response time is very critical in controlling the chemical accident & it's mitigation and immediate intervention can prevent the on site accident emergency turning in to an offsite event or a disaster. The main attraction of his presentation was the information database of the Dhar district from view point of accident mitigation put on the online web based GIS software platform. Although the data was of the year 2004, he very effectively used it to highlight the importance of the GIS technology and aroused the interest & the expectations of the industry & first responders alike. Further he gave the glimpses of the upcoming developments in the technology which may result in to better and effective response system in near future to help mitigate chemical emergencies.

Shri Gahlout's presentation was followed by comments by Dr. Gunwant Joshi, who underlined the capabilities and the database existing at the ERC and appealed the industries to make use of these facilities not only during the chemical emergencies but also for strengthening the capabilities and raising the level of preparedness by making & updating the On site emergency plans and carrying out the mock drills, so that the accidents are tackled effectively before turning in to disasters. He also appreciated the usefulness of the GIS technology and said that Mr. Gahlout's presentation has thrilled all of us at ERC and there is lot of enthusiasm and excitement about this technology. He also said that we realise that this software provides an access to the concerned authorities for the data updation, but as of now, this facility is not accessible to the ERC at the M.P. Pollution Control Board which is entrusted with the responsibility to give guidance and technical support in case of chemical emergencies.

Dr. Joshi felt that there is an urgent need for updating the database information and also to make it more user friendly which sure shall take place in coming future as there is an explosive enhancement in the field of technical capabilities and bandwidth availability. A project may be formulated to this end and could be executed by ERC in

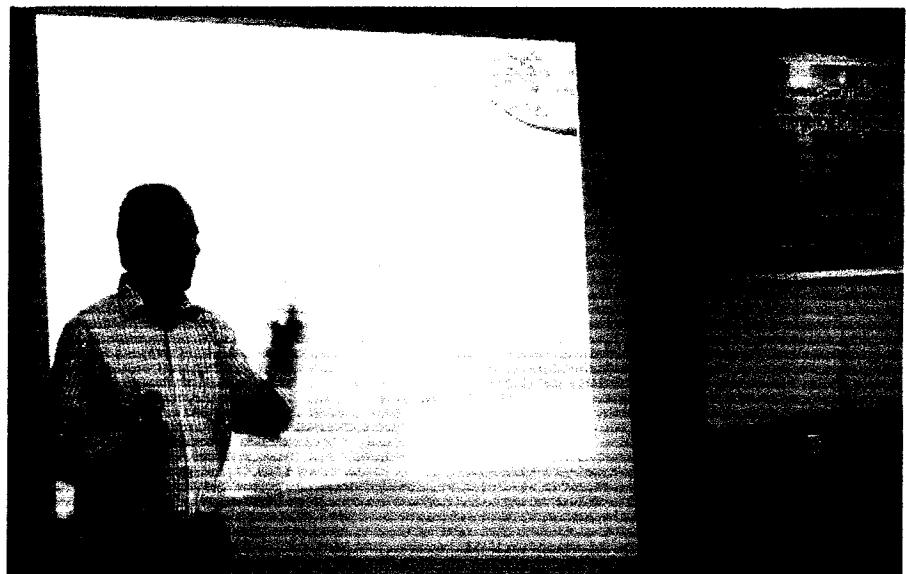
conjunction with the ministry with the technical support of NIC atleast for few intansely industrialised districts of Madhya Pradesh, so that it's useful to manage any chemical accident effectively and have a safe industrial growth in the region. We at ERC look forward to participate in any such activity, he added.

The technical program was conducted by Dr. Rajendra Chaturvedi, Scientist at ERC and all the participants were awarded the certificate of participation. The programme was concluded by the vote of thanks to the Chair, the dignitaries and all the participants by Dr. D. K. Wagela, Senior Scientist at the Regional Laboratory of M.P. Pollution Control Board, Indore.



Honorable Chairman  
**Dr. N. P. Shukla**  
addressing the  
Inaugural function

Shri Sanjay Gahlout  
Dy. Director General  
(NIC) MoEF giving  
Expert Lecture at the  
Technical Session



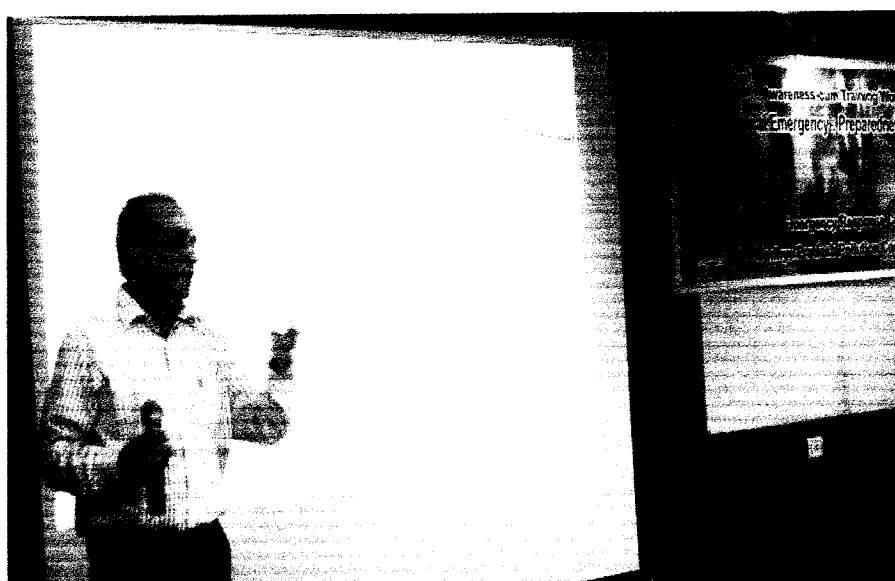
conjunction with the ministry with the technical support of NIC atleast for few intensely industrialised districts of Madhya Pradesh, so that it's useful to manage any chemical accident effectively and have a safe industrial growth in the region. We at ERC look forward to participate in any such activity, he added.

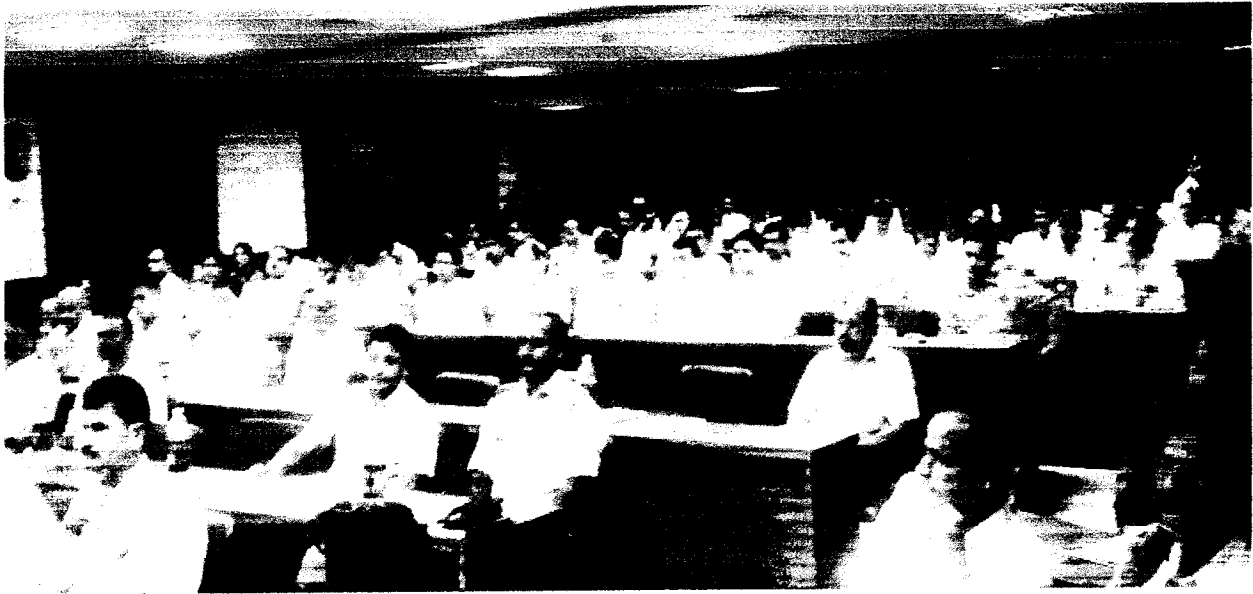
The technical program was conducted by Dr. Rajendra Chaturvedi, Scientist at ERC and all the participants were awarded the certificate of participation. The programme was concluded by the vote of thanks to the Chair, the dignitaries and all the participants by Dr. D. K. Wagela, Senior Scientist at the Regional Laboratory of M.P. Pollution Control Board, Indore.



Honorable Chairman  
**Dr. N. P. Shukla**  
addressing the  
Inaugural function

Shri Sanjay Gahlout  
Dy. Director General  
(NIC) MoEF giving  
Expert Lecture at the  
Technical Session

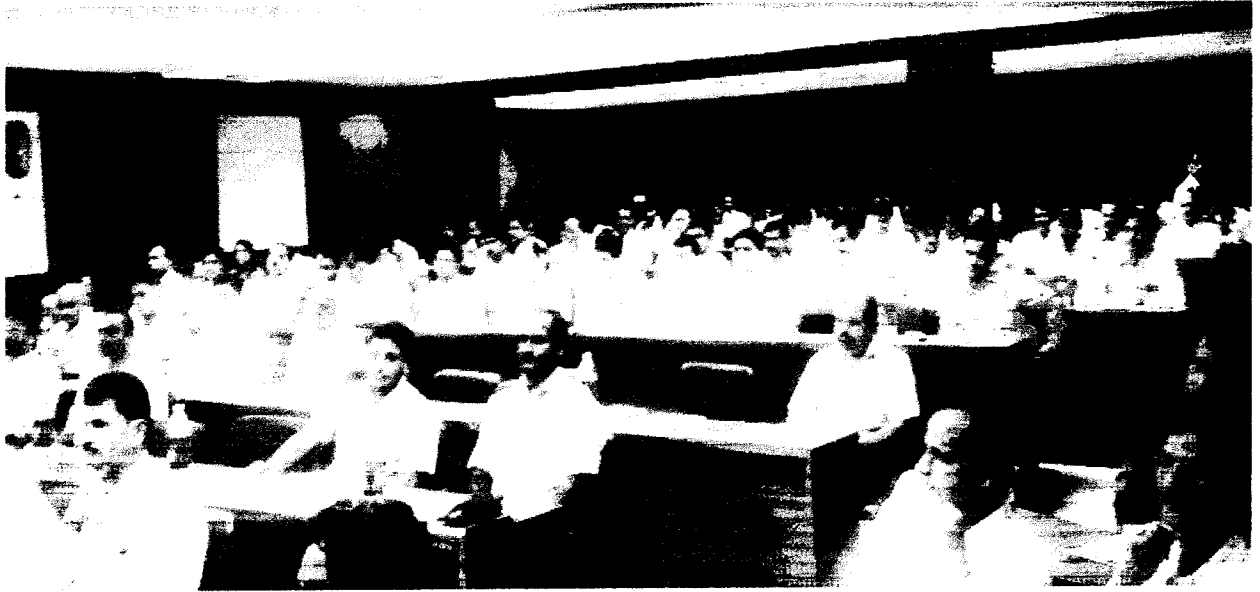




Audience engrossed in deliberations during the Technical Session



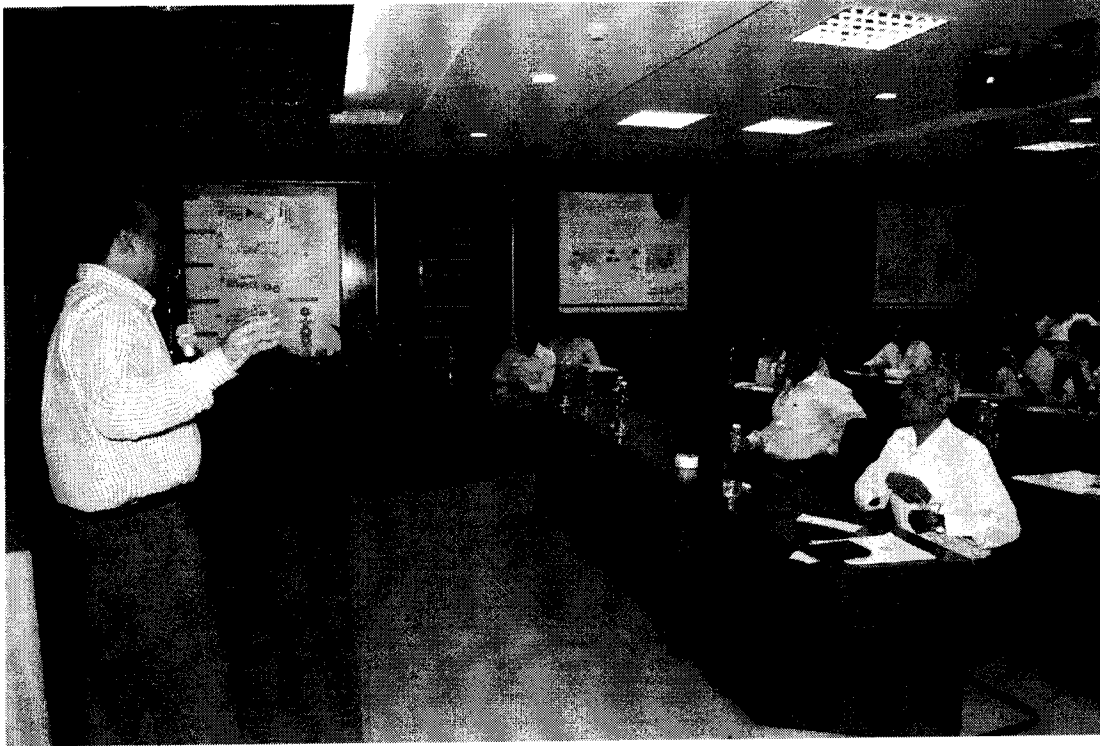
Active interaction during program's Technical Session



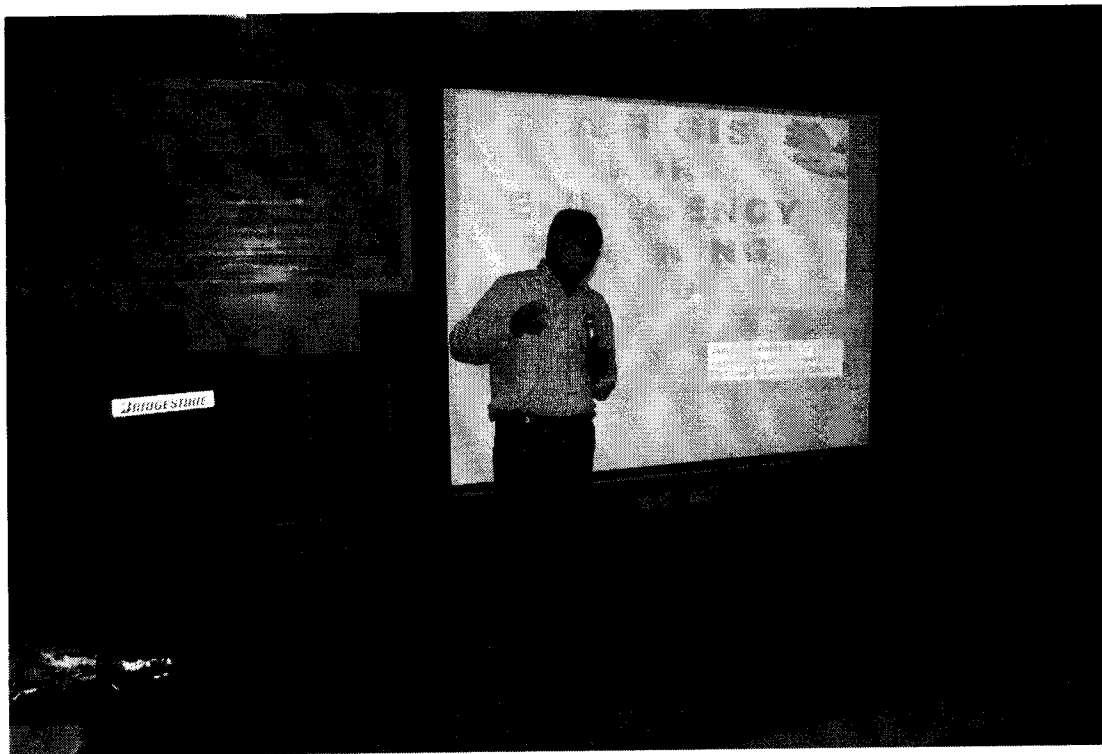
Audience engrossed in deliberations during the Technical Session



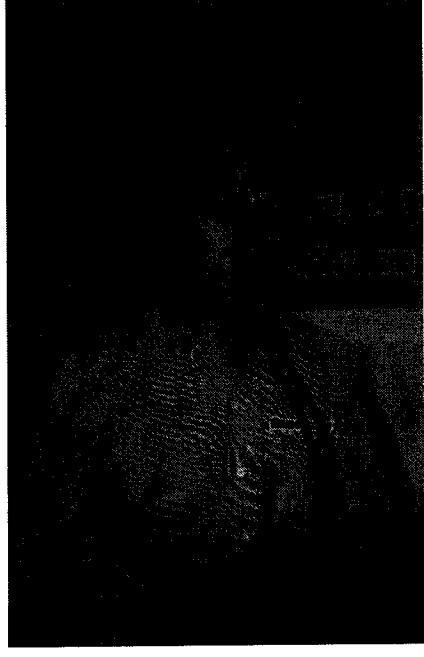
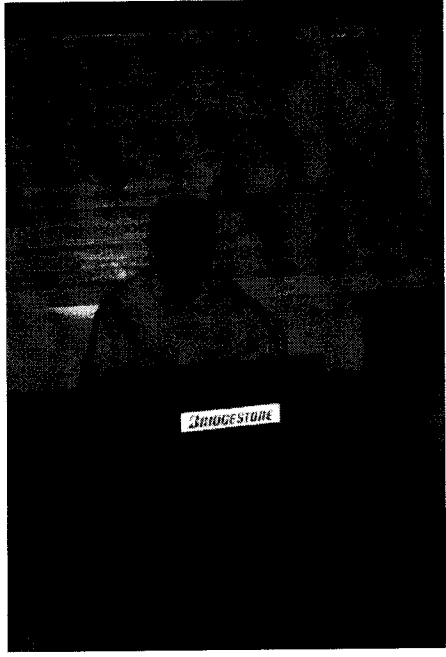
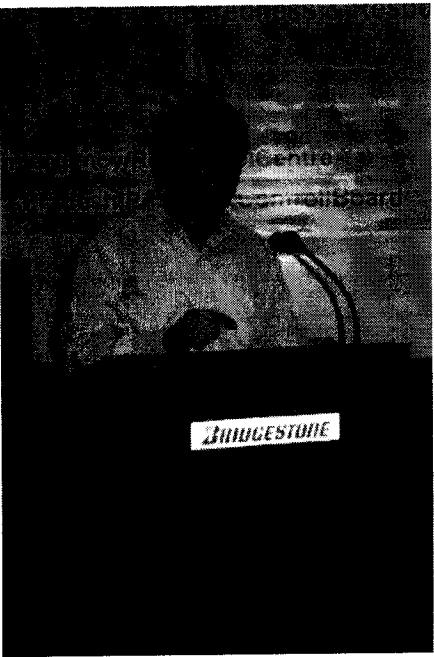
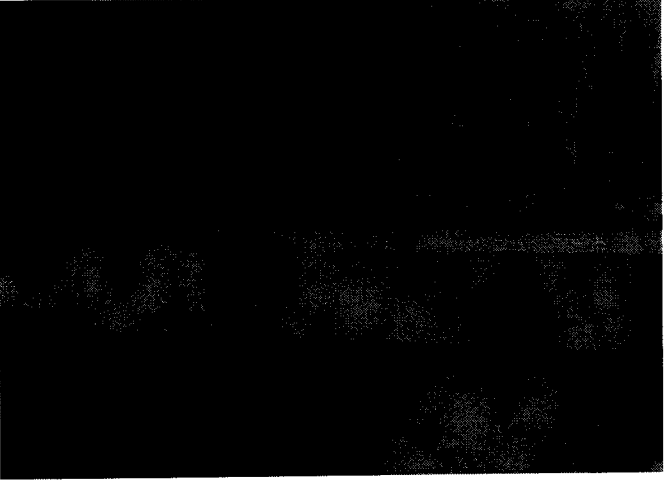
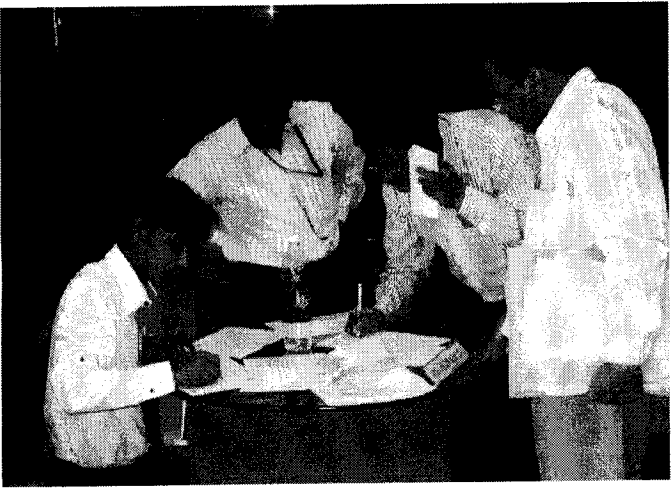
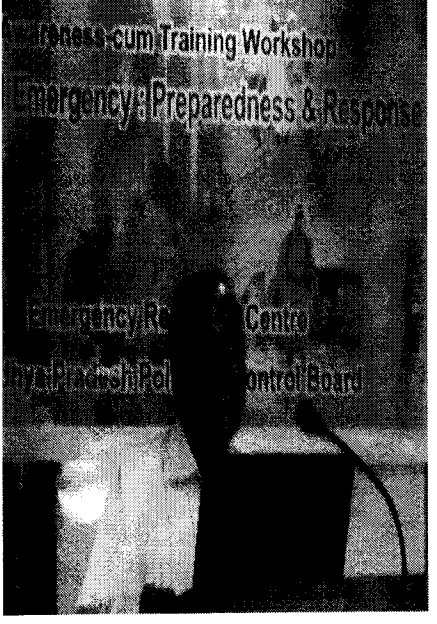
Active interaction during program's Technical Session

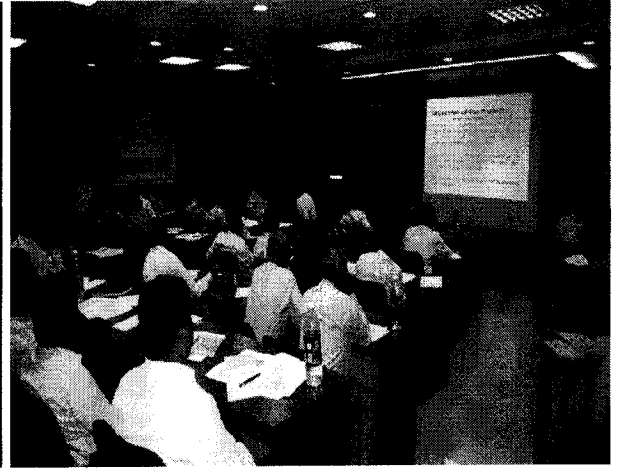
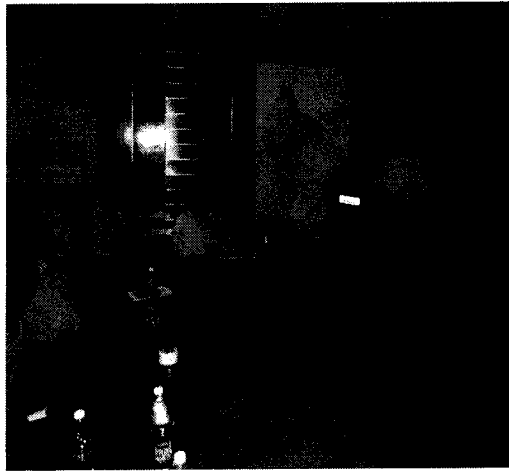
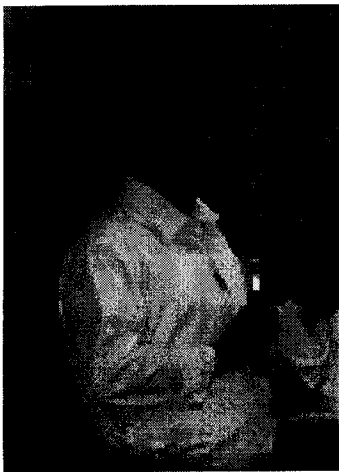


Shri Sanjay Gahlout Dy. Director General (NIC) MoEF deliberating on GIS based software useful in decision making during emergency situations

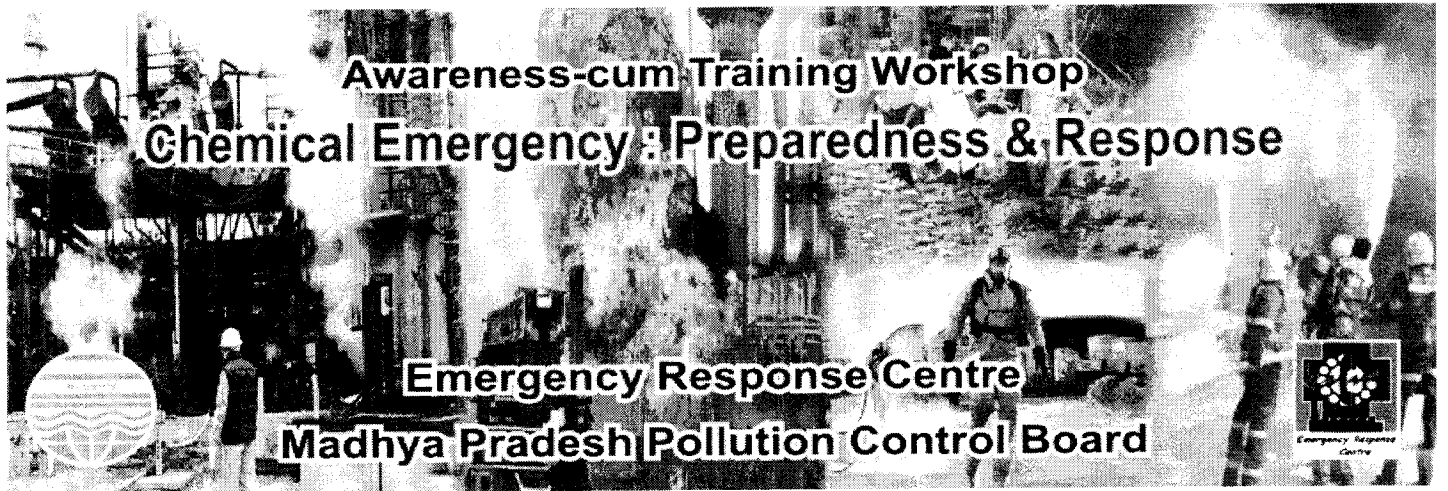
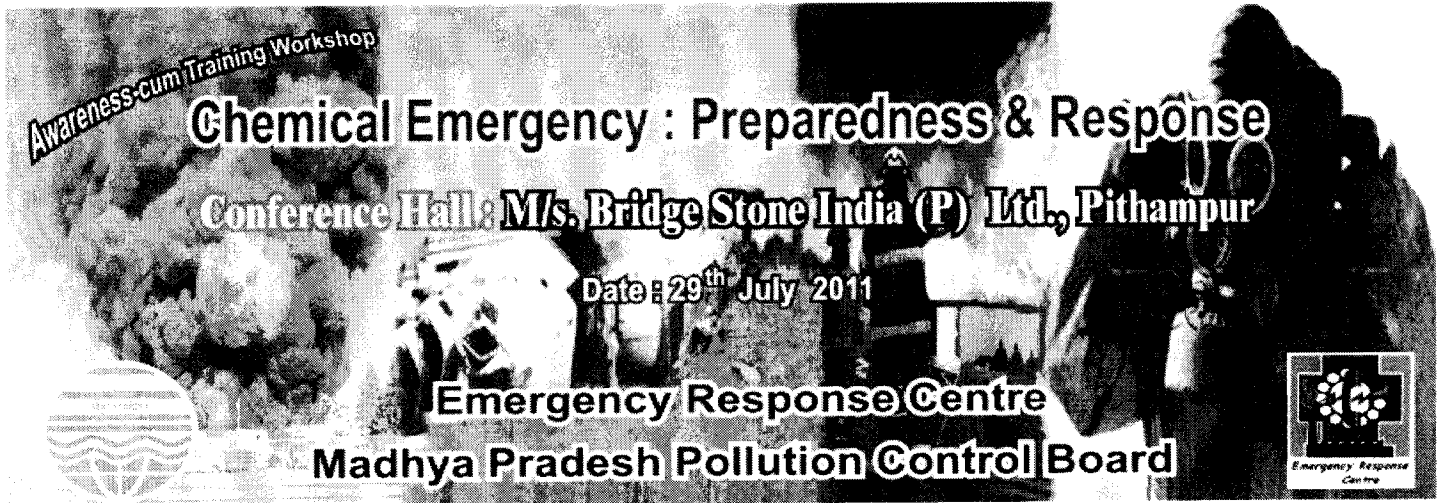


**S  
E  
S  
S  
I  
O  
N  
S**





BANNERS OF THE AWARENESS WORKSHOP



**Awareness-cum-Training Workshop  
on Chemical Emergency - Preparedness & Response  
Pithampur, Dist. Dhar**

**Friday, July 29, 2011**

S.No.	Name of Participant	Name Of Organisation	e-mail	Mobile No.	Signature
1 ✓	Arvind Sirohiya	Bridgestone India Pvt. Ltd.	arvind-sirohiya@bridgestone.co.in	9826026121	
2 ✓	Anil Kanta Hajra ANIL KANTA HAJRA	Shree calorates Rebad.	anilkanta.hajra@yahoo.com	9300052663	
3 ✓	Pawan Shukla	MediLudab. Pvt Ltd.	info@medilud.co.in	944073272	
4 ✓	VAISHALI RAJAN	CUMMINS TECHNOLOGIES INDIA LTD.	engg. vaishali.jain@cedi.frmed.com	9926000915	
5 ✓	Mayank Geete MAYANK GEETE	u	mayank.geete@cummins.com	9575311437	
6 ✓	A. U. SANT	Indo Borax & Chemicals Ltd. P.M.	asant.ashok@ymail.com	9424523148	
7 ✓	Sansay Joshi	Sansay Jagwade Pvt. Ltd.	Mt. sansay.joshi@rediffmail.com	9712061341	
8 ✓	Shekhar Saini	Bridgestone India Pvt. Ltd.	Shekhar-saini@bridgestone.co.in	9826633463	

155

**Awareness-cum-Training Workshop  
on Chemical Emergency - Preparedness & Response  
Pithampur, Dist. Dhar**

**Friday, July 29, 2011**

S.No.	Name of Participant	Name Of Organisation	e-mail	Mobile No.	Signature
9 ✓	Sudhir mungji	RSDL Steel Pvt. Ltd.		9439605587	
10 ✓	Deepak Dwi'Neer	Pankaj Solvex	deepakdwineer125@gmail.com	9630378151	
11 ✓	Shun'Kanday'kta	Personal, Bachelr.		920066829	
12 ✓	S.K. Nidse	Dingy Jyoti Ind. Ltd.	nidse@dingyjyoti.net	9828949495	
13 ✓	Dr Paritosh Dake	Aurich Hospital	daa	9425059088	
14 ✓	B. nandish Agrawal	Sanjayani Hospital		9425760382	
15 ✓	Pramod Jain	Hindustan Phosphate Mt. Ltd.	Ashok@hindustanphos.com	9893857244	
16 ✓	ANWAR KHAN	NAIDUNIA	Pithampur anwar@naidunia.com	9425061107	

55

S.No.	Name of Participant	Name Of Organisation	e-mail	Mobile No.	Signature
17 ✓	KSHITIJ PATHAK	MAHINDRA 2 WHEELERS LTD.	pathak.kshitiy@mahindra2wheeler.com	8085970819	
18 ✓	B. D. Sharma	Tirupati Steels & Chem. Works, Ghatatabillood		9425968220	
19 ✓	Anmol Naydeo	Dyan Pharma Pvt. Ltd. Phex II, Pimander.	awaydeo@evonpharma.com	9165690264	
20 ✓	Ramantargupta	Bhansali stainless wire Pvt Ltd		9229279082	
21 ✓	D. Gade	RSPC. Ghatatabillood		7898090848	
22 ✓	Dinsham Pany	L&F Ece.	dimshampanyl@rediffmail.com	9009547604	
23 ✓	Haryinder Singh	L&T Ece	haryinder1991@rediffmail.com	9074893083	
24 ✓	Vishal Chauhan	TATA Steel Ltd.	vishal-chauhan1983@yahoo.co.in	8962441037	
25 ✓	Reeta Mahiya	TATA Steel Ltd	mahiya_reeta@yahoo.com	8848877469	
26 ✓	J. V. Gundakott	CPCB	gundakott@rediffmail.com	9910308508	
27 ✓	Manisam Sahu	Shreejals Auto Emp. Pvt. Ltd.		9977256128	

S.No.	Name of Participant	Name Of Organisation	e-mail	Mobile No.	Signature
28 ✓	Prasanna Pathankar	M/S FLEXITUFF INTERNATIONAL LTD. Pithampur	Electrical1@flexituff.com	8120012343	
29 ✓	Ashok Chand Pandit	Police Fire Services M.P. Indore		9425900129	
30 ✓	SHYAM MOHARIR	Medilux Laboratories Pvt Ltd	info@medilux.in	7566210705	
31 A.	RAMESH KUMAR TIWARI Ramesh Kumar Tiwari	TIWARI Indore Metals	ramesh.tiwari@stufindia.com	9300005131	
32 ✓	Poojay Jai	Bridgestone	Poojay-jai@bridgestone.co.in	9826229025	
33 ✓	S.S.Thakur	Unichem Laboratories	ssthakur@unichem.co.in	9826375204	
34 ✓	Dinesh Bhatti	Unichem Laboratories	dbhatti@unichemlabs.com	9827015690	
35 ✓	Nilesh Gokhe	Bridgestone India Pvt. Ltd.	nilesh-gokhe@bridgestone.co.in	8889522215	
36 ✓	Prateek Sharma	Bridgestone India Pvt. Ltd	Prateek-K-Sharma@bridgestone.co.in	9009722229	
37 ✓	DR. D.K. WAGELA	M.P. Pollution Control Board, Indore	wagela-dk@hotmail.com	9827233136	
38 ✓	Anil Sani	M.P Pollution control Board, Dhar	anilsoni.chem@gmail.com	9074242247	

5

S.No.	Name of Participant	Name Of Organisation	e-mail	Mobile No.	Signature
39 ✓	S. C. Pathak	Lloyd Insulation Co Ltd, Pithampur	scpathak.pth@lloydinsulation.com	9303440762	
40 ✓	Sameer Pandey	J K Fines andia Ltd	Sameer.Pandey@Raymond.in		
41 ✓	R. S. Saini	Gayatri Insecticides Ind. Pvt Ltd. Pithampur	rsaini64@gmail.com	9009026117	RambhSaini
42 ✓	Shiv Kumar	sanchi chemicals	shiv. Damke@gmail.com	9977887466	
43 ✓	Shruti Shrotri Sarojini Shrotri	RSPC Rohit Surfact Pvt Ltd Pithampur Rohit surfactant Pvt Ltd.	sruti7shrotri@gmail.com	9009072499	
44 ✓	Jagdish Chandra DALAKOTI	SRF. Limited	Jagdish. Chandra @srf.um	8085608892	
45 ✓	Anilwer. P. Tambore	Aarti Industries Ltd.	anilwerptambore@rediffmail.com	7869845918	
46 ✓	Prashant B. Banne.	Bharat Petroleum Corporation Limited.	prashantbbanne@bharatpetroleum.in	8087322413	Prashant B. Banne
47 ✓	Rajendra Narikhe	Shivani De torgest Pvt. Ltd.	rajendra@scplgroup.com	9977600883	
48 ✓	R. C. Bagga	Lamp Cap India Pvt Ltd		9300591021	
49 ✓	Dr. Vinendra Divedi	Pratibha Syntex Ltd.	els@pratibhasyntex.com	9826366673	

S.No.	Name of Participant	Name Of Organisation	e-mail	Mobile No.	Signature
50 ✓	R. N. Sharma,	Gujarat Ambuja Exports LTD	ms@ambujagroup.com	9895591403	
51 ✓	Sudhiz Khan	National Steel & Agro Ind Ltd	Sudhiz - Khan@gmail.com	9826775794	
52 ✓	Sunny Shukla.	Divya Jyoti Industries P.L.D.	hrd@divyajyoti.net	7489294313	
53 ✓	Ajay Chinchekar	Hm Teknology Ltd	himpith@himgroups.net	9873559810	
54 ✓	Pankaj Shukla	Raj Ratan Globalkinc Ltd	pankej@tgal.co.in	9827788758	
55 ✓	A.P. Misra	R. U. W. L. Pithampur	AB - misra01@rediffmail.com	9993211798	
56 ✓	Abhay Sasraf	M.P.P.C.B. Bhopal.	abhay-sasraf.23@rediffmail.com	9826740372	
57 ✓	R. K. Singhastewi	Tirupati starch		9826046843	
58 ✓	R. D. Ghosh	Tirupati starch		975454672	
59 ✓	Ajay Bhansra.	ZYG Pharma Pvt Ltd	Reep@zygpharma.com	9926501692	
60 ✓	Ravi Mucked	Shreepati Pharma	info@shreepati.com	9827032211	

S.No.	Name of Participant	Name of Organisation	e-mail	Mobile No.	Signature
61	Vaetika Vyas	Shree Nakoda Industries Pithampur	vaetika.vyas13@Yahoo.in shree.nakoda@gmail.com	9926637042	
62	Jayshankar Mishra	Shree Nakoda Ind. Pithampur	Shree.nakoda@gmail.com	9926600301	
63	A.N. Tiwari	Pralibha Synlex	p.tiwari@synlex.com	9926032357	
64	D. A. Kale	MAN FORCE TRUCKS PVT LTD	dkale@forcemotors.com	9229607194	
65	R. K. Dani	FORCE MOTORS	rdani@forcemotors.com	9575300172	
66	Divresh saxena	Piramal Health care	divresh.saxena@piramal.com	9754864072	
67	Dipesh Chincholi- war	Piramal Health care	dipesh.chincholiwar@piramal.com	98931-25994	
68	Vijay Vyas	Sonic Brochom EXTRA Pitham Pn	vijayv@sonicbrochom.co.in	7898900453	
69	Vijay Pandey	ANTEC Ltet.	vijay.pandey@antec.in	9302172440	
70	Thap Singh (C.M.P)	Dev agn electronics	devagn@electronics.com	9826529591	
71	Jitendra Vyas	Directorate, Ford. HEALTH & SAFETY, INDIA		9826652458	

S.No.	Name of Participant	Name Of Organisation	e-mail	Mobile No.	Signature
72 ✓	Kaustubh Naik	Mahle Engine Components Trelia Pvt. Ltd.	Safely.Pithe@in.mahle.com Kaustubh.82ind@gmail.com	9009091688	
73 ✓	Mohali				
74 ✓	Lokendra Mohaliya	Gurukulipri Engg Bath Bright Metal Industries.		9826621075	
75 ✓	Sangappa manikshetty Manikshetty	Bhat netai		9026467612	
76 ✓	Jalraj	Vidyut E. plates	ndr@choudhary2007@ 4440014	9754552099	
77 ✓	Rajendra Singh Anand	Empress chemicals Pvt Ltd	impresschemicals@hotmail.com	9926584509	
78 ✓	Sachin Deekar	Bridgestone India. Pvt. Ltd	Sachin-deekar@ bridgestone.co.in	8886555515	
79 ✓	Amol Handikar	Cipla Ltd.	amol.handikar@ciplo.com	9009675163	
80 ✓	Shyam Raybhalli	Cipla Ltd.	shyam.Raybhalli@Cipla. com	812000721	
81 ✓	Mahendra Jain	Ipsa Laboratories Ltd.	Mahendra.jain@ipca.co.in	9826630969	
82 ✓	Mangesh Dhurve	SRF Ltd	mangesh.dhurve@srf.com	9685003225	
83 ✓	Yogesh Sen	RSPZ,	Yogesh_Sen06@yahoo.co.in	9713403997	