

# Summary Report on Training Programme Evaluation (Comprehensive Course on Disaster Management)

## 1.0 Introduction

Gujarat Institute of Disaster Management (GIDM) conducted a five day training programme on 'Comprehensive Course on Disaster Management' for class I and II State government officials from various districts (refer annexure 1 for details of participants). Sixteen Engineers attended the programme from various districts (refer annexure 1 for details of participants). This evaluation report comprises of the feedback received from the participants.

The letter dated 16.03.2009 inviting nominations for the training programme was sent from the Jt.CEO, GSDMA and Executive Director, GIDM to the heads of Energy and Petroleum Department, Gujarat Urja Vikas Nigam Limited and Paschim/Dakshin/Madhya/Uttar Gujarat Vij Company Limited.

## 1.1 Objectives

The course objectives were:

- To have an overview about Disaster Management Initiatives
- To know about the definitions and concepts of Disaster Management
- To understand hazard, vulnerability and risk assessment
- To look at the importance and significance of Disaster Management
- To know about the Disaster Management Cycle
- To have an overview about Disaster Vulnerability and Initiatives in India and Gujarat
- To understand the emerging concerns in Disaster Management
- To know about the Institution Mechanism in India and Gujarat
- To have an overview about Disasters such as Floods, Cyclone, Earthquake, Drought, Industrial & Chemical Disaster and Biological Disaster
- To understand Emergency Response including Medical Response
- To understand the case of a manmade disaster
- To understand the role of various stakeholders in Disaster Management

## 1.2 Duration

The duration of the training programme was for 5 days from 20<sup>th</sup> to 24<sup>th</sup>, April 2009.

## 1.3 Venue

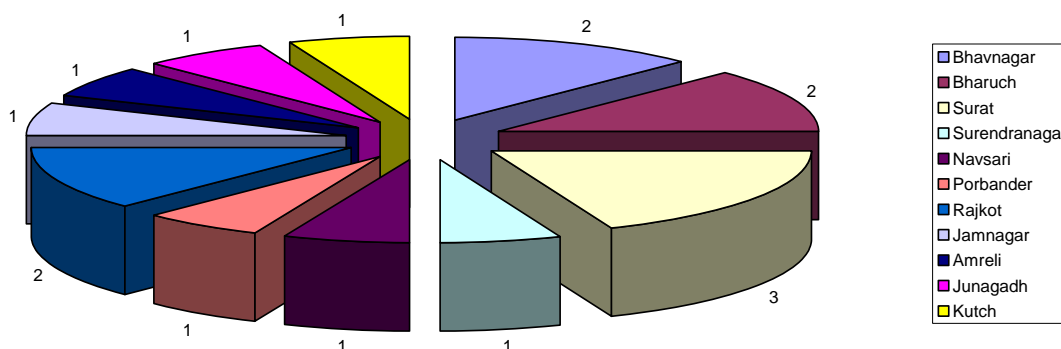
The venue of the training programme was the Sardar Patel Institute of Public Administration campus situated opposite ISRO on Satellite Road at Ahmedabad. GIDM has an office in the same campus.

## 1.4 Methodology Used

In the programme, the methodology used was lecture, presentation, demonstration, discussion and group exercise. The demonstration of Emergency Response equipments was out of class within the SPIPA campus.

## 1.5 Participants

No. of Engineers from various districts in Gujarat



Sixteen senior & middle level officers representing eight districts of the state participated in the programme. Participants in the programme were such as Executive Engineer, Deputy Engineer and Junior Engineer.

## 1.6 Resource Persons

The programme coordinators were Jagdish Gadhavi, Deputy Director, GIDM and Pratima Singh, Assistant Professor, GIDM. The sessions were taken by GIDM officials (Jagdish Gadhavi and Pratima Singh) and other experts such as Dhimant Vyas, Dr.P.L.Dave and Dr.M.B.Dholakia (copy of Programme Schedule is enclosed at annexure 2).

## **2.0 Evaluation of Programme by Participants**

The training programme was very much appreciated by the participants. A brief summary of feed back received vide the evaluation reports (summary is given in annexure 3) has been presented hereafter.

### **2.1 Structure and organization of the course**

About three fourths of the participants (13 out of 16) thought that the course was well structured whereas the rest thought that the course was very well structured. One participant thought that the course is somewhat structured.

### **2.2 Usefulness of the training programme to job**

More than half (9 of 16) of the participants found the training to be quite useful in their jobs. Six participants found the course to be very useful.

### **2.3 Practical orientation of the course**

Nearly half (7 of the 16 participants) felt that the training was practically oriented to a great extent. Three participants felt even more highly about the training programme in terms of its practical orientation. Five participants felt that the training was practically oriented to a limited extent.

### **2.4 Benefit from interaction with fellow participants**

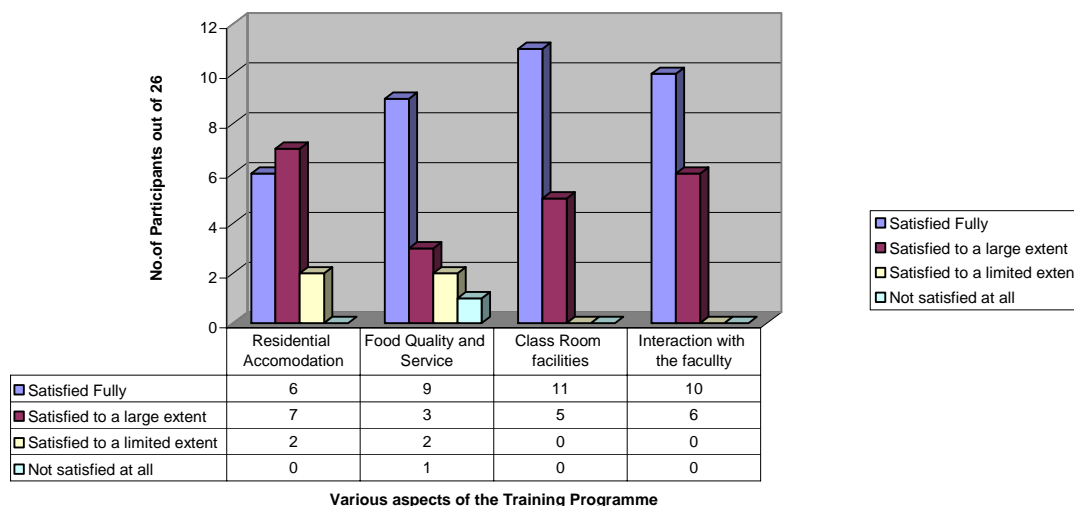
Two participants felt that they had benefited 'substantially' from the interaction they had had with the fellow participants in the course. Three fourths (12 of 16) participants stated that they had benefited 'considerably' from interaction with the fellow participants in the course. Two participants stated that they had benefited 'fairly' from the interaction with the fellow participants. No one mentioned that they had not at all benefited from interaction with fellow participants.

### **2.5 Relevance of course material to the course content**

Half (8 out of 16) of the participants found the course material supplied to them 'extremely' relevant and related to the course content whereas an equal number found the course material supplied to them 'considerably' relevant and related to the course content.

## 2.6 Extent of Satisfaction of Training Programme to Participants

### Extent of Satisfaction of Training Programme to Participants



Level of satisfaction was distributed across aspects of the training programme such as 'residential accommodation', 'food quality and service', 'class room facilities' and 'interaction with the faculty'. Eleven participants were satisfied fully when it came to the aspect of 'class room facilities'. Ten participants were satisfied fully when it came to the aspect of 'interaction with the faculty'.

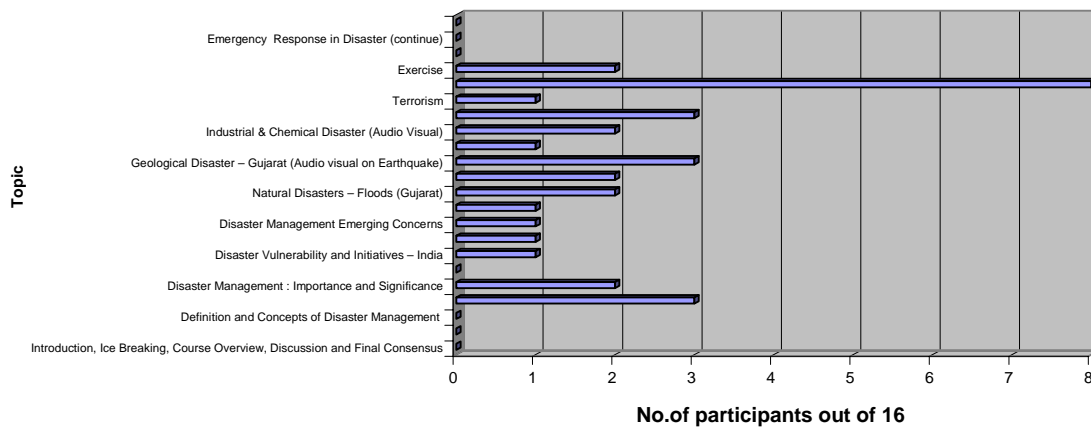
## 2.7 Faculty

The participants found all the faculty members Jagdish Gadhavi; Pratima Singh; Dhimant Vyas; Dr.P.L.Dave and Dr.M.B.Dholakia to be delivering lectures/sessions that ranged from excellent to very good to good to fair.

## 2.8 Most Useful part of the course

Half (8 out of 16) participants found the topic 'Emergency Medical Response in Disaster' to be the most useful part of the course. This was followed by the topics 'Hazard, Vulnerability and Risk Assessment', 'Geological Disaster - Gujarat (Audio visual on Earthquake)' and 'Biological Disaster & Bioterrorism' which 3 participants found each of these topics as the most useful. The topics 'Disaster Management: Importance and Significance', 'Natural Disasters - Floods (Gujarat)', 'Natural Disaster - Cyclone (Gujarat)', 'Industrial & Chemical Disaster (Audio Visual)', and Group Exercise on the Role of participants in their organizations for Disaster Management; which 2 participants found each of these topics as the most useful.

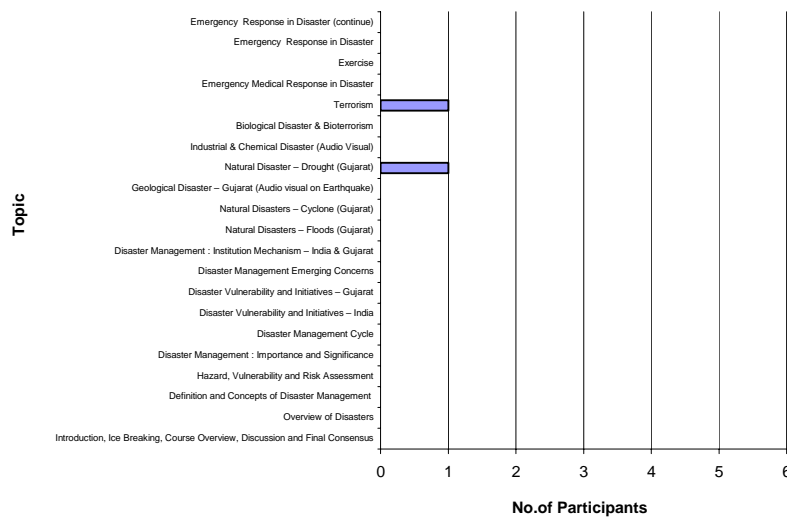
### Most Useful part of the Course



### 2.9 Least Useful part of the course

Almost all participants did not find any topic to be least useful. Each of the topics 'Natural Disaster- Drought' and 'Terrorism' were found to be least useful by one participant.

### Least Useful part of the Course



### 2.10 Overall impression of the course

Half (8 out of 16) of the participants found the course to be 'very good'. Almost a similar number (7) of participants found the course to be even better by ranking it as 'excellent'. One participants found the course to be 'good'. This implies that the overall percentage for the course is 84%.

## 2.11 Specific idea about improvements in your working situation when back to work

All the participants mentioned that they got specific ideas about improvements in their working situation when they would go back after the training. One participant did not reply on this point.

The specific ideas included some of the comments presented hereafter:

*"We will try to arrange Training Programme at our Training centre at Circle level".*

.....Shri D.C.Parmar  
Junior Engineer  
DGVCL, Surat

*"The course is quite helpful in Pre, During and Post Disaster and we can work more efficiently".*

.....Shri K.T.Gupta  
Deputy Engineer  
DGVCL, Navsari City

*"By training I have learn how to prepare myself for any Hazard and disaster and how to be useful to humanity in critical disaster".*

.....Shri V.C.Shah  
Deputy Engineer  
Bharuch Circle Office I/c

*"Created awareness regarding first aid treatment, CPR, use of emergency services e.g.101, 108 etc. regarding governments role, government structure, efforts being take for DM".*

.....Shri M.G.Surati  
Deputy Engineer  
DGVCL, Surat

*"The overall introduction of various Disaster and Hazard give me good enough knowledge which was not known to me. I have cleared my many doubts".*

..... Shri Hemang R.Modi  
Deputy Engineer (Tech.), DGVCL, Co.  
Bharuch

*"It will help to plan-out any type of event/Disaster".*

..... Shri B.M.Patel  
Deputy Engineer  
PGVCL. Co., Surendranagar

*"It has given me a new vision & actual Idea of disaster. It has enriched the knowledge regarding action to be taken & preparedness for the disaster".*

.....Shri A.S.Mandalia  
Deputy Engineer  
PGVCL Circle Office  
Bhavnagar

*"I came to know from Biological Disaster session.*

*Emergency Medical Response. Improvement in knowledge for first aid during Disaster.*

*To make aware the public/staff in local for steps to be taken during hazards/Disaster which reduce casualty".*

..... Shri Mukesh D.Ganatra  
Deputy Engineer  
PGVCL Circle Office  
Junagadh

Annexure 1

**Details of Participants**  
**Comprehensive Course on Disaster Management**  
 20<sup>th</sup> to 24<sup>th</sup> April, 2009

Sr. No	Name, Designation & Office Address	Telephone Number	
		(O)	(R) & (M)
1.	Shri M. N. Oza Executive Engineer Paschim Gujarat Vij Company Limited Zonal Office, Bhavnagar	0278-2521760	0281-2453321 9925209283
2.	Shri A. S. Mandalia Deputy Engineer Office of the Supt. Engineer, P.G.V.C.L. Circle Office Bhavnagar 364001	9925234903	0278-2514865 9925209216
3.	Shri V.C.Shah Deputy Engineer DGVCL O & M Circle Office, Bharuch	02642-245402	02642-222871 9925211286
4.	Shri S. M. Modi Deputy Engineer Surat (O&M) Circle Office, DGVCL, Surat	0261-2804307	9925213753
5.	Shri B.M.Patel Deputy Engineer Paschim Gujarat Vij Co. Limited., Circle Office, Surendranagar	02752-223450 228791	9925209843
6.	Shri K.T. Gupta Deputy Engineer DGVCL, Navsari City	02637-258344	9925211496
7.	Shri D.C. Parmar Junior Engineer Varachha Road, Surat Rural Div. DGVCL, Surat	0261-2804353	02629-233689 9925211404
8.	Shri H.R. Modi Deputy Engineer DGVCL, Circle Office, Bharuch	02642-245402	9825366280 9879200800
9.	Shri D.S. Olakiya Junior Engineer Paschim Gujarat Vij Company Limited, Circle Office, Porbandar	0286-2240947	9925209907
10.	Shri H.D. Jarsania Deputy Engineer Office of the Supt. Engineer, P.G.V.C.L. Rural Circle Office, Rajkot	0281-2370561 to 65 2370567	9925213300
11.	Shri J.J. Bhatt Deputy Engineer Circle Office, P.G.V.C.L., Jamnagar	0288-2550301	0288-2757212 9925210049
12.	Shri V.L. Nimavat Executive Engineer Nana Mava Main Road, P.G.V.C.L., Rajkot	0281-2380425	9925211691
13.	Shri H.D. Tank Executive Engineer Division Office (O&M), P.G.V.C.L., UNA	222782	9925209400
14.	Shri M.D. Ganatra Deputy Engineer Paschim Gujarat Vij Co. Limited, Junagadh	2622176 2622167	9428275092 9925209433
15.	Shri M.G.Surati Deputy Engineer Godadara Subdivision DGVCL, Surat	0261-2279266	0261-2770166 9925213760
16.	Shri P.G. Upadhyay Deputy Engineer Circle Office, Power House Compound, Bhuj	02832-258052	9925209794

Annexure 2

**Programme Schedule**

**Comprehensive Course on Disaster Management (CCDM-1)**

(20.04.2009 to 24.04.2009)

**Day I : 20.04.2009**

Session	Topic	Faculty
0915 – 0930	Registration	
0930 – 1045	Introduction Ice Breaking Hopes and Fears Course Overview Discussion and Final Consensus	Jagdish Gadhavi Dy.Director, GIDM Pratima Singh Asst.Professor, GIDM
	<i>Tea Break</i>	
1100 – 1215	Overview of Disasters	Jagdish Gadhavi Dy.Director, GIDM
	<i>Lunch Break</i>	
1315 – 1430	Overview of Disasters	Jagdish Gadhavi Dy.Director, GIDM
	<i>Tea Break</i>	
1445 – 1600	Definition and Concepts of Disaster Management	Pratima Singh Asst.Professor, GIDM
1600 – 1710	Hazard, Vulnerability and Risk Assessment	Pratima Singh Asst.Professor, GIDM

**Day II 21.04.2009**

Session	Topic	Faculty
0930 – 1045	Disaster Management : Importance and Significance	Jagdish Gadhavi Dy.Director, GIDM
	<i>Tea Break</i>	
1100 – 1215	Disaster Management Cycle	Pratima Singh Asst.Professor, GIDM
	<i>Lunch Break</i>	
1315 – 1430	Disaster Management Cycle	Pratima Singh Asst.Professor, GIDM
	<i>Tea Break</i>	
1445 – 1600	Disaster Vulnerability and Initiatives – India	Jagdish Gadhavi Dy.Director, GIDM
1600 – 1710	Disaster Vulnerability and Initiatives – Gujarat	Jagdish Gadhavi Dy.Director, GIDM

**Day III 22.04.2009**

Session	Topic	Faculty
0930 – 1045	Disaster Management Emerging Concerns	Pratima Singh Asst.Professor, GIDM
	<i>Tea Break</i>	
1100 – 1215	Disaster Management : Institution Mechanism – India & Gujarat	Jagdish Gadhavi Dy.Director, GIDM
	<i>Lunch Break</i>	
1315 – 1430	Natural Disasters – Floods (Gujarat)	Pratima Singh Asst.Professor, GIDM
	<i>Tea Break</i>	
1445 – 1600	Natural Disasters – Cyclone (Gujarat)	Pratima Singh Asst.Professor, GIDM
1600 – 1710	Geological Disaster – Gujarat (Audio visual on Earthquake)	Jagdish Gadhavi Dy.Director, GIDM Pratima Singh Asst.Professor, GIDM

**Day IV 23.04.2009**

Session	Topic	Faculty
0930 – 1045	Natural Disaster – Drought (Gujarat)	Jagdish Gadhavi Dy.Director, GIDM
	<i>Tea Break</i>	
1100 – 1215	Industrial & Chemical Disaster (Audio Visual)	Jagdish Gadhavi Dy.Director, GIDM Pratima Singh Asst.Professor, GIDM
	<i>Lunch Break</i>	
1315 – 1600	Biological Disaster & Bioterrorism	Dr.P.L.Dave Epidemic Medical Officer, Ahmedabad District Panchayat
1600 – 1710	Terrorism	Jagdish Gadhavi Dy.Director, GIDM

**Day V : 24.04.2009**

Session	Topic	Faculty
0930 – 1045	Emergency Medical Response in Disaster	Dr.Dholakia Dy.Director,Health and Family Welfare, Gandhinagar
	<i>Tea Break</i>	
1100 – 1215	Exercise	Jagdish Gadhavi Dy.Director, GIDM Pratima Singh Asst.Professor, GIDM
	<i>Lunch Break</i>	
1315 – 1430	Emergency Response in Disaster	Fire Officer, AMC, Ahmedabad
	<i>Tea Break</i>	
1445 – 1600	Emergency Response in Disaster (continue)	Fire Officer, AMC, Ahmedabad
1600 – 1710	Discussion, Evaluation & Valediction	Jagdish Gadhavi Dy.Director, GIDM Pratima Singh Asst.Professor, GIDM

Session	Time	Session	Time
I	09-30 to 10-45	III	13-15 to 14-30
Tea	10-45 to 11-00	Tea	14-30 to 14-45
II	11-00 to 12-15	IV	14-45 to 16-00
Lunch	12-15 to 13-15	V	16-00 to 17-10

## Evaluation Report

### Evaluation Report

Note : Please fill in all the items in the questionnaire. Your objectivity will help us to improve the future course

1. Name of the Institution : Gujarat Institute of Disaster Management  
Ahmedabad
2. Title of the Course : Comprehensive Course on Disaster Management  
Dates : 20<sup>th</sup> to 24<sup>th</sup> April, 2009

3. Course Objectives:

- To get an introduction on the Medical and Health issues and Response in Disasters
- To have an overview about Medical SOPs in Disaster Management
- To know about Biological Disasters, Bio-Terrorism and Chemical Emergency
- To have an overview about Inter Departmental Coordination, Hospital Preparedness for Disasters
- To understand Water, Sanitation & Environmental Health in Emergencies, Psychosocial Needs and Disability in Disasters
- To know about Pre-Hospital Emergency Management & Response and Hospital Preparedness for Disasters
- To have an overview about Vector control & Surveillance
- To understand Medical and Health Rehabilitation, Administration of Anesthesia and CPR, First-Aid

4. What do you think about the structure and organization of the course in context of the objectives?

Very Well Structured	Well Structured	Some Structured	Very Unstructured
2	13	1	0

5. How useful this training would be to you in your job?

Very Useful	Quite Useful	Of Limited Use	Not at all
6	9	1	0

6. Practical orientation of the Course:

Highly Practical Oriented	Practically Oriented to a Great Extent	Practically Oriented to a Limited Extent	Not at all Practical
3	7	5	1

7. How far have you been benefited from interaction with the fellow participants in the course?

Substantially	Considerably	Fairly	Not at all
2	12	2	0

8. How far was the course material supplied relevant and related to the course content?

Extremely Relevant	Considerably Relevant	Fairly Relevant	Not at all Relevant
8	8	0	0

9. To what extent are you satisfied with the following:

	Satisfied fully	Satisfied to a large extent	Satisfied to a limited extent	Not satisfied at all
Residential Accommodation	6	7	2	0
Food Facilities	9	3	2	1
Class Room Facilities	11	5	0	0
Interaction with Faculty	10	6	0	0

10. Which part of the course did you find most useful?

11. Which part of the course did you find least useful?

12. Overall impression of the Course

<b>Excellent</b>	<b>Very Good</b>	<b>Good</b>	<b>Fair</b>
7	8	1	0

13. Did the course give you any specific ideas about improvement in your working situation when you go back?

Yes (14)

No (1)

14. If yes, can you spell them out briefly?

- ✚ We will try to arrange Training Programme at our Training centre at Circle level.
- ✚ The course is quite helpful in Pre, During and Post Disaster and we can work more efficiently.
- ✚ By training I have learn how to prepare myself for any Hazard and disaster and how to be useful to humanity in critical disaster.
- ✚ Created awareness regarding first aid treatment, CPR, use of emergency services e.g.101, 108 etc. regarding governments role, government structure, efforts being take for DM.
- ✚ The overall introduction of various Disaster and Hazard give me good enough knowledge which was not known to me. I have cleared my many doubts.
- ✚ It is added in
  - How to handle/work for the event if occurs, pre, during & post.
  - After an accident – Primary Medical Treatment
  - Will try my best efforts to extend the held from, me/my Department to victim/affected and will be helps for use in my life and make better community.
  - It is also helps for me to know the general – to inter dept/authorities and I got the overview and concepts of Disaster and it reduces my mitigation measures.
  - I know the normal stage/middle stage of Cyclone i.e. eye passes from land and after that also cycle affected.
  - I implement the same for my Department.
- ✚ It will help to plan-out any type of event/Disaster.
- ✚ It has given me a new vision & actual Idea of disaster. It has enriched the knowledge regarding action to be taken & preparedness for the disaster.
- ✚ The knowledge about better preparedness against disaster.
  - The importance of Emergency Medical kit.
  - The Jamnagar district is disaster prone (particularly all type like Cyclone, Drought, Earthquake). Hence it will be more useful to me and my organization. I will like to share my knowledge with others in Technical study Circle at Jamnagar.
- ✚ Preparedness for Disaster Management plan and acting during the Disaster.
- ✚ Various Hazards & Disaster situation arises awareness and same awareness group up in subordinate.
- ✚ The preparedness and planning & implementation of the same in our field level.
- ✚ I came to know from Biological Disaster session.
  - Emergency Medical Response. Improvement in knowledge for first aid during Disaster.
  - To make aware the public/staff in local for steps to be taken during hazards/Disaster which reduce casualty.
- ✚ In PGVCL Cyclone, Earthquake and Flood are relevant. During these disaster training is useful.
- ✚ Actions, reasons of disaster upto grass root to all employee of organization.

15. Any other comments/observations you wish to make about the course?

- One programme required for Electrical department for disaster from Technical Expert of Electrical side.
- The course conducted for our electricity department. There should be one lecture from electric field to be invited so that for our field like electrical disaster like short circuit, power failures of sub station and power failure during other hazard like flood, cyclone, earthquake can be made useful.
- Some practical demos, mock drills, visit of such sites and more audio visuals on DM should be added.
- The Post Disaster activity is a social service activity beside the duty, so the men working should be involved spiritually rather formally. Hence this programme should include a small spiritually kindly of session, which will be very useful to us as a leader to motivate our team members. “Sewa Aeji Dharm”, “Sewa Aeji Sadhana” etc.
- Schedule of lecture is very tight i.e. maybe loose/end after 16:00 hours. It may start early in the morning. Overall impression of the course is Good.
- Some technological – utilities to be added.
- For power sector: It should teach us more easy & safe way for the erection of line and T/C to restore quick power supply.
  - Case study of one of the point related to power sector should be included.
  - Power sector & restoration of power supply should be given weight age during the course.
- Some practical training in Medical Response may be required.
- Practical part should be added and for particular class i.e. as we are concern with Electricity, special course should be developed.
- Study materials soft copy to be provided for awareness.
- A mock drill may be arranged.
  - A topic on preparedness – planning & execution may be added related to our Distribution system.
  - A site visit to disaster affected places may be arranged if possible.
- Presentation should be compact/precise, looking to the session time for that particular topic.
  - Soft copy of study/presentation made available to all participant.
- Actually physical training and mental attitude training is useful during actual disaster. Faculty of such are may be included.

## 16. EVALUATION OF SESSIONS

### Day I : 20.04.2009

Session	Topic	Faculty	Excellent	Very Good	Good	Fair
0930 – 1045	Introduction Ice Breaking Hopes and Fears Course Overview Discussion and Final Consensus	Jagdish Gadhavi Dy. Director, GIDM Pratima Singh Asst. Professor, GIDM	5	9	2	0
1100 – 1215	Overview of Disasters	Jagdish Gadhavi Dy. Director, GIDM	3	12	1	0
1315 – 1430	Overview of Disasters	Jagdish Gadhavi Dy. Director, GIDM	3	11	2	0
1445 – 1600	Definition and Concepts of Disaster Management	Pratima Singh Asst. Professor, GIDM	3	6	7	0
1600 – 1710	Hazard, Vulnerability and Risk Assessment	Pratima Singh Asst. Professor, GIDM	2	8	6	0

### Day II 21.04.2009

Session	Topic	Faculty	Excellent	Very Good	Good	Fair
0930 – 1045	Disaster Management : Importance and Significance	Jagdish Gadhavi Dy. Director, GIDM	7	8	1	0
1100 – 1215	Disaster Management Cycle	Pratima Singh Asst. Professor, GIDM	3	9	4	0
1315 – 1430	Disaster Management Cycle	Pratima Singh Asst. Professor, GIDM	4	8	4	0
1445 – 1600	Disaster Vulnerability and Initiatives – India	Jagdish Gadhavi Dy. Director, GIDM	5	8	2	0
1600 – 1710	Disaster Vulnerability and Initiatives – Gujarat	Jagdish Gadhavi Dy. Director, GIDM	5	10	1	0

**Day III 22.04.2009**

Session	Topic	Faculty	Excellent	Very Good	Good	Fair
0930 – 1045	Disaster Management Emerging Concerns	Pratima Singh Asst.Professor, GIDM	1	11	4	0
1100 – 1215	Disaster Management : Institution Mechanism – India & Gujarat	Jagdish Gadhavi Dy.Director, GIDM	7	7	2	0
1315 – 1430	Natural Disasters – Floods (Gujarat)	Pratima Singh Asst.Professor, GIDM	4	9	3	0
1445 – 1600	Natural Disasters – Cyclone (Gujarat)	Pratima Singh Asst.Professor, GIDM	6	5	5	0
1600 – 1710	Geological Disaster – Gujarat (Audio visual on Earthquake)	Jagdish Gadhavi Dy.Director, GIDM Pratima Singh Asst.Professor, GIDM	7	7	2	0

**Day IV 23.04.2009**

Session	Topic	Faculty	Excellent	Very Good	Good	Fair
0930 – 1045	Natural Disaster – Drought (Gujarat)	Dhimant Vyas Executive Engineer	5	8	2	1
1100 – 1215	Industrial & Chemical Disaster (Audio Visual)	Jagdish Gadhavi Pratima Singh	4	9	3	0
1315 – 1600	Biological Disaster & Bioterrorism	Dr.P.L.Dave Epidemic M O, Dist Panchayat,A'bad	12	4	0	0
1600 – 1710	Terrorism	Jagdish Gadhavi Dy.Director, GIDM	3	10	2	0

**Day V : 24.04.2009**

Session	Topic	Faculty	Excellent	Very Good	Good	Fair
0930 – 1045	Emergency Medical Response in Disaster	Dr.Dholakia Dy.Director,H&FW	10	6	0	0
1100 – 1215	Exercise	Jagdish Gadhavi Pratima Singh	6	7	2	0
1315 – 1430	Emergency Response in Disaster	Fire Officer, A M C, Ahmedabad	6	3	0	0
1445 – 1600	Emergency Response in Disaster (continue.)	-Do- (Continue)	8	1	0	0
1600 – 1710	Discussion, Evaluation & Valediction	Jagdish Gadhavi Dy.Director, GIDM Pratima Singh Asst.Professor, GIDM	4	4	0	0

Signature:

Name:

Designation and Place: