

GUJARAT SCHOOL SAFETY WEEK REPORT 2016

APPROACH TOWARDS SAFER SCHOOLS...

(August 30 - September 3, 2016)



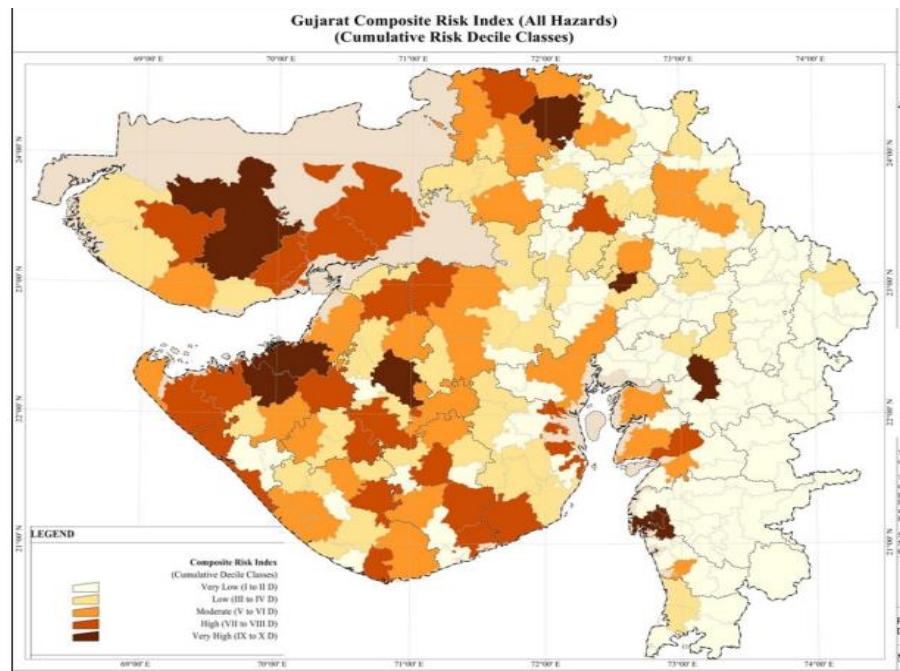
GUJARAT STATE DISASTER MANAGEMENT AUTHORITY

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1. INTRODUCTION

With the view of building capacities for disaster resilience, Gujarat State Disaster Management Authority conducts various programs at institutional levels. **Gujarat School Safety Week** is one such initiative which aims at strengthening of one of the most vulnerable groups for disasters, that is, *Children*. Gujarat is geographically prone to hazards like earthquake, cyclones, floods, extreme temperatures, etc. The children of age group 4-15 years spend sufficient time in schools. Considering the vulnerability of institutions like schools for various hazards, there is a need of strengthening the capabilities by awareness generation, sensitization, trainings and Mock drills.



(Source: Gujarat Hazard Vulnerability Atlas, 2005)

Sendai Framework for Disaster Risk Reduction (SFDRR) 2016, aims at substantial reduction of disaster risk and losses in lives, livelihoods and health and in the economic, physical, social, cultural and environmental assets of persons, businesses, communities and countries, it has been highlighted in Sendai Framework for Disaster Risk Reduction that there is a need to strengthen disaster preparedness for response, take action in anticipation of events, and ensure capacities are in place for effective response and recovery at all levels.

Gujarat School Safety Week is one of effective tools towards addressing the priorities of actions mentioned in SFDRR as it helps in generating understanding towards disaster risk at community level and enhancing disaster preparedness for effective response. It facilitates spreading awareness among school children, teachers, and staff members regarding probable hazards. It helps in developing their understanding regarding hazard impacts, related dos and don'ts and demonstrate response measures like evacuation, first aid and search and rescue. It also highlights the need of institutional preparedness measures and systems that helps in reducing the loss and chaos among the population and channelizes effective response. Thus addressing the priorities of action mentioned in Sendai Framework of Actions for Disaster Risk Reduction 2015-2030.



2. GUJARAT SCHOOL SAFETY PROGRAMME-2016

2.1 BACKGROUND

In 2015, GSDMA had conducted School Safety Week in 400 schools of Kutch, Jamnagar and Devbhoomi Dwarka districts. State level trainings were arranged for (i) 60 Master Trainers (included BRC-CRC), (ii) Sarva Shiksha Abhiyaan engineers (67) and District Project Officers (DPO) were conducted. District Level Trainings for around 800 (1 Principal and 1 Teacher) was conducted. With the help of these trained human resources 400 School Disaster Management Plan (SDMP) were prepared. In addition to that various awareness generation programs were conducted in schools through DPOs, demonstration were conducted by NDRF, Red Cross, 108, Fire Department, etc. Also, various drawing, slogan, project competitions were conducted. The School Safety Week was highly appreciated at all the levels.

Gujarat School Safety Programme 2016: Based on the success of 2015, Gujarat School Safety Programme 2016 was scaled-up to 3150 number of schools. In addition to schools of Kutch, Jamnagar, Devbhoomi Dwarka schools in Municipal Corporations of Ahemdabad, Vadodara, Surat and Gandhinagar were also included. The vulnerable districts of Gujarat were prioritized based on hazard probability and population density. The detail of number of school selected is given below:

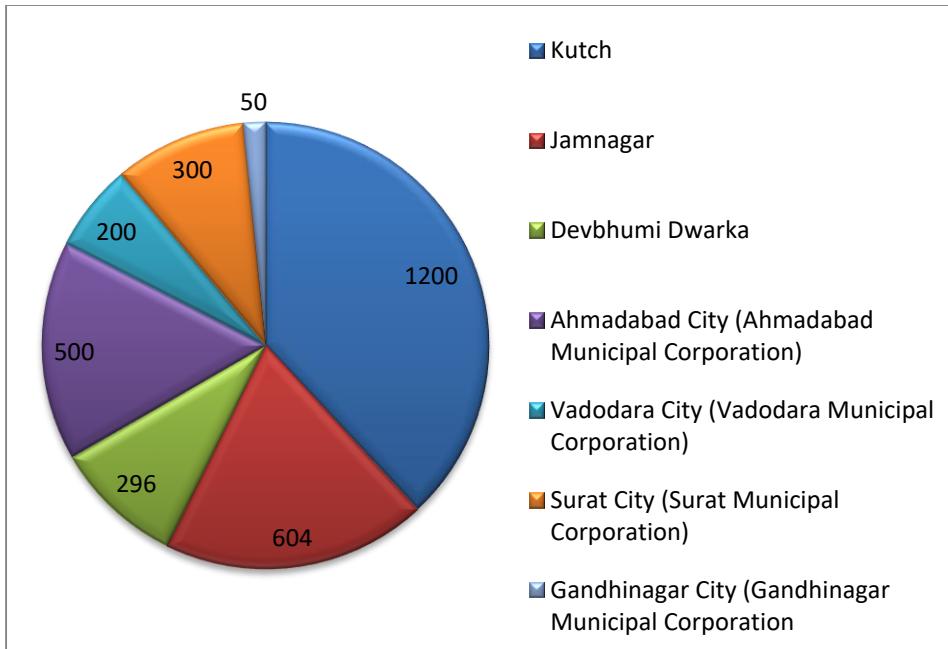


Figure 1 Number of Schools selected for School Safety Week 2016

2.2 SCHOOL SAFETY WEEK: TRAINING

With the view to build capacity of education department for disaster management and to enable smooth execution of School Safety Week 2016 various trainings were conducted. 267 Master Trainers were selected from all 7 districts and were trained at state level at GIDM. 67 engineers were trained on various aspects of structural as well as non structural safety in schools at state level. Further various trainings were arranged by these 267 master trainers and trained 5434 trainers at district level which included 1 principal and 1 teacher from the selected schools. The following steps were taken towards celebration of School Safety Week – 2016. The detail of selected schools is given below:

2.2.1) TRAINING OF MASTER TRAINERS AT STATE LEVEL: GSDMA had organized four workshops for selected trainers from respective districts. In this training, 267 master trainers from seven districts were trained which included BRC-CRC and identified principals and teachers from selected districts. They were sensitized and trained in various aspects of School Safety.

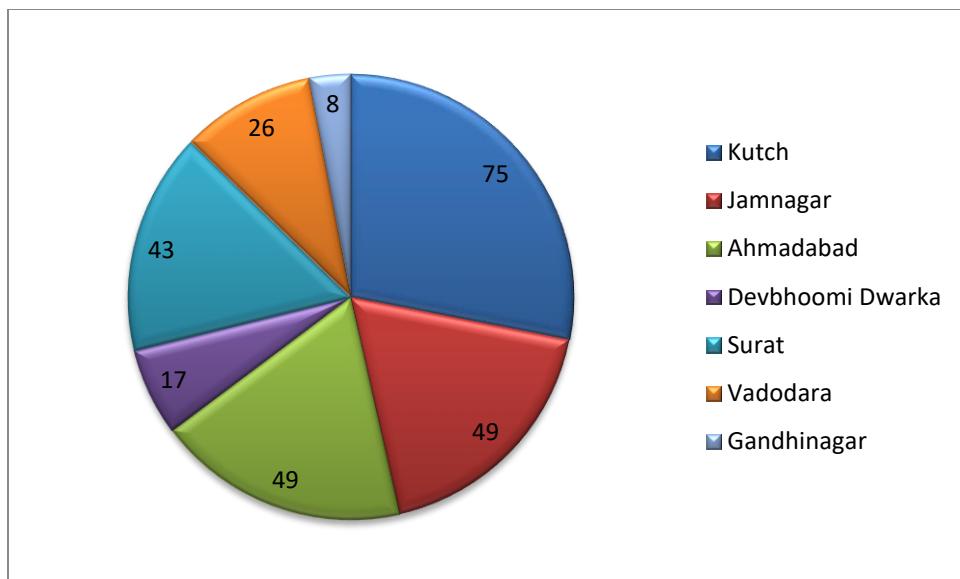
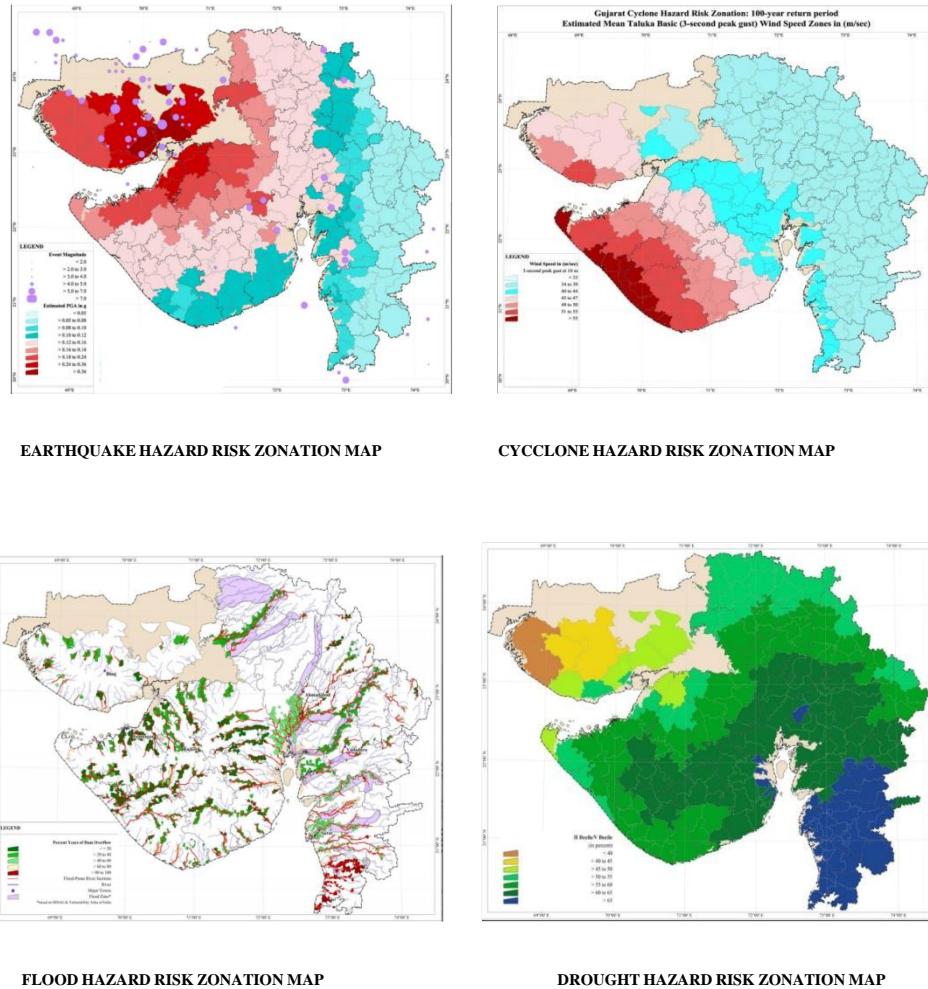


Figure 2 Number of Trainers: Gujarat School Safety Programme 2016

The detail of training of master trainers conducted is given below:

- i. **Sensitization of teachers for Disaster Management:** The participants of the training programme were exposed to Kumbakonam school fire case study and Dabwali Fire case study. Through both the studies, various aspects of a disaster management, response and preparedness, need of evacuation plan, training of teachers and students, preparation of School Disaster Management Plan and mock drills were emphasized and various Do's and Don'ts regarding basic safety norms, storage of material, structure and non-structural mitigation measures were explained. They were also exposed to consequences of various structural and non- structural units and ways to mitigate it. The participants found the case studies very interesting and they were interested in knowing other aspects of fire safety.

- ii. **Introduction to hazards and disaster:** As one of the basic concepts of disaster management is HRVC analysis, the basic understanding of various hazards like earthquake, fire, cyclone, floods, epidemic, accidents, which are probable for Gujarat were explained to the participants. The briefing to participants was done regarding various physiographical factors that form the hazard and vulnerability profile of districts and state like fault lines, population density, zones of various hazards, etc. They were explained about vulnerability with respect to population, density, age, gender, social groups and economic vulnerabilities. It was made clear that children are one of the most vulnerable groups



- iii. **Concept of Disaster Management:** The participants were informed about various institutional mechanisms that are put in place by the state government and national government for Disaster Management. The Disaster Management Act 2003 and 2005, National School Safety Programme, and Disaster Management Policy of state as well as government of India were discussed. Further they were given briefing on management of disasters like mitigation measures, capacity building and comprehensive response. The four components of disaster management cycle that are, mitigation, preparedness, response and recovery were also discussed.
- iv. **HRVC as a tool:** In order to enhance the understanding of participants regarding analysis of existing hazards, vulnerabilities and capacities available in school for disaster management they were asked to conduct participatory HRVC and they were also asked to identify various hazards, vulnerable population, risk and capacity available to cope up with the impact of disasters or mitigate the potential risk. In addition to this, they were also asked to make evacuation, resource and hazard maps.

- v. **School Disaster Management Plan (SDMP):** As there is huge importance of disaster management plan in management of disasters, the model template of SDMP prepared by GSDMA was discussed with the participants. It included roles and responsibilities of various stakeholders, HRVC of districts, details of committees and resource inventory.
- vi. **Structural and Non Structural Safety:** The participants were given brief regarding structural and non structural safety measures. The emphasis was laid on building the understanding of structural risks and ways to mitigate it. In non structural safety, the focus was laid on making participants understand the non-structural elements in schools and the ways of mitigating the potential risk due to non structural elements. The identification of non-structural material in school was taught through activity. They were made to understand simple methods of relocation, immobilization to mitigate the risk.
- vii. **Fire Safety:** The participants were taught triangle of fire, that is, components required for the ignition of fire (heat, fire, oxygen). They were explained about various types of fire extinguishers and ways to use them.
- viii. **First Aid:** The participants were explained about the roles and responsibilities of various task forces and fire safety and first aid in school in coordination with FOCUS. Red Cross demonstrated the techniques of first aid and also emphasized on the need of psycho-social care so that they can facilitate support for it. The participants were taught basic first aid techniques like bandage, lifts, triangular bandages, etc.
- ix. **Mock drill:** In order to provide practical understanding regarding mock drill, the participants were taken to schools in Gandhinagar and a mock disaster scenario was created, followed by mock drill. The whole activity involved preparation of plan, team formulation, scenario creation, marking of exit and identification of assembly area. For this purpose, various teams such as, early warning communication and coordination team, search and rescue team, first aid team and fire fighting teams were formed by the teachers and students. They were taught to initiate the drill and a drill using an alarm system was conducted in which teams perform their duties as per the decided SOP's. Further it was followed by involving various agencies, such as Fire Department, 108 and other emergency services. Fire department also demonstrated their fire fighting activities. The mock drill was followed by debriefing exercise where the participant, responders, team members and the acting injured gave various feedbacks on the activity. It was explained that such feedback can be very useful in making SDMP context specific and practically viable. In this way, mock drill session was conducted.

Various activities during school safety week were discussed and use of IEC material was explained. The participants were given briefing about School Safety Week

and their responsibility for conducting Training of Trainers (ToT) at district level. In this way, state level Training of Trainers (ToT) for 267 master trainers (BRC-CRC) was conducted by GSDMA.





Gujarat State Disaster Management Authority

" Training of Trainers (ToT) Program under School Safety "

Date: 15 - 18 February, 2016, at GIDM, Gandhinagar



2.2.2) TRAINING OF TRAINERS AT DISTRICT LEVEL: It was decided that one teacher and one principal from selected schools may execute the school safety week deliverables along with various stakeholders. The trained master trainers along with District Project Officers organized training at various talukas and district level. The trainings were conducted at district level which created 5434 trainers for awareness of activities to be conducted during School Safety Week.



2.2.3) TRAINING OF ENGINEERS: The training programme on training of engineers for structural safety was organized from 3rd-6th May 2016 at GIDM. In this training programme, 67 engineers were trained, who were identified by Sarva Siksha Abhiyan (SSA). The training session were taken by the resource person from GSDMA, GIDM, ISR, IIT-GN, FOCUS and SSA.

2.3 COORDINATION

Several co-ordination meetings were held for the successful celebration of Gujarat School Safety Week, 2016. The meetings started from scaling up school safety week, 2016 and further preparation, coordination and stakeholders meeting were held in order to ensure better execution of Gujarat School Safety Programme. To ensure timely execution of SSW -2016, **Video Conference were** held under the chairmanship of CEO-GSDMA and ACEO-GSDMA with District Education Officer, District Primary Education Officer and Shashanadhikari and other district level officers

As GSDMA involved various stakeholders like NDRF, ISR, Red Cross, 108- GVK EMRI, Fire Department and other NGOs to conduct activities for awareness during schools safety week. It was ensured that all the agencies prepare their action plans for each districts and co-ordinate with district level officers.

3. DEVELOPMENT OF IEC

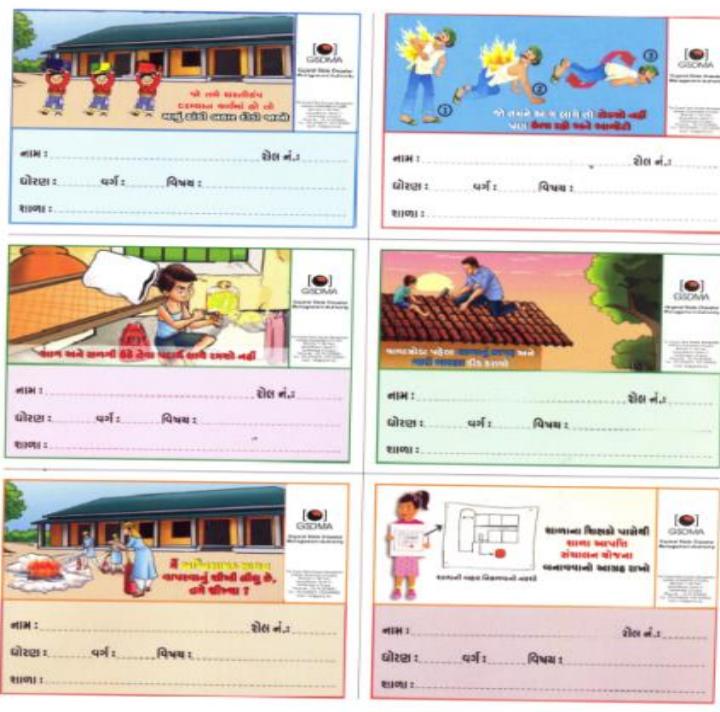
GSDMA developed Information, Education and Communication material for the purpose of dissemination of information among school students and teaching. Through IEC material information about various types of hazards is communicated. GSDMA provided IEC material based on different themes given below, i.e., pamphlets, posters, charts, and game flex banner, mock drill book and sticker sheets. In addition, Institute of Seismological Research provided compact disks on earthquake safety for 3150 schools covered during Gujarat School Safety Programme. The details of IEC material provided by GSDMA for Gujarat School Safety Week Programme are given below:

| S.No. | Types | Theme |
|-------|-----------|--|
| 1. | Pamphlets | <ul style="list-style-type: none">▪ Cyclone▪ Flood▪ Tsunami▪ Health Safety Tips for Children▪ Nuclear Safety Tips▪ Road Safety Tips▪ First Aid Team▪ Transportation Team▪ Fire Safety Team▪ Transfer Team▪ Search and Rescue Team▪ Site Safety Team▪ Awareness Generation Team |
| 2. | Posters | <ul style="list-style-type: none">▪ Fire and Rescue Mock drill▪ Fire Safety at home▪ How to use fire extinguisher |

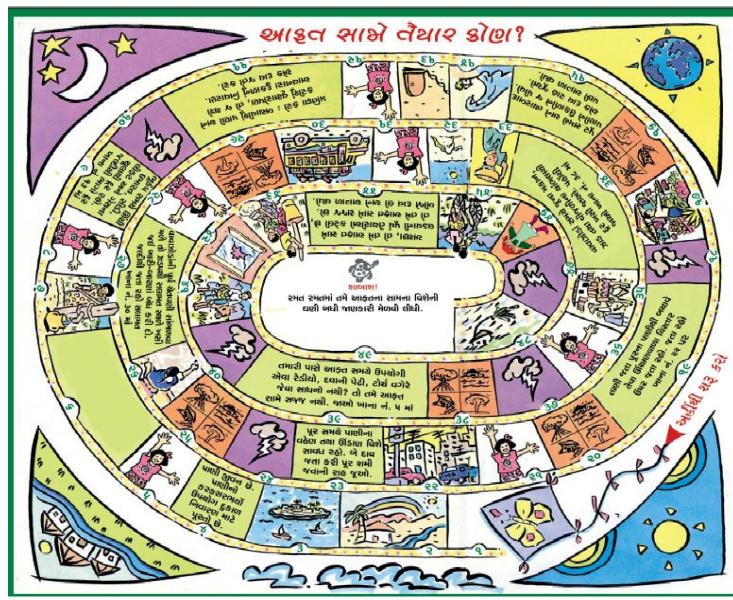
| | | |
|----|--------|--|
| | | <ul style="list-style-type: none"> ▪ Precautionary measures for electric fire ▪ Escape route during fire emergency ▪ Fire Safety Tips for Disable people ▪ Safety Tips for Industrial Fire ▪ Fire Safe for High Rise buildings ▪ Precautionary measures for crackers during Diwali festival |
| 3. | Charts | <ul style="list-style-type: none"> ▪ Earthquake ▪ Fire ▪ Global Warming ▪ Road Safety Tips ▪ Non-structural measures ▪ Good health Tips for children ▪ Fire Safety Tips ▪ Cyclone ▪ Heavy rain/ Flood ▪ First Aid ▪ Animal Hazard Hunt ▪ Hazard Identification ▪ Safety Site Identification |



Children were enthusiastic about receiving IEC material under Gujarat School Safety Programme 2016. The IEC material like ‘Hazard Preparedness Game’ also helped in building a sense of collective effort of individuals during a disaster scenario as it involved a huge group of students while playing. The IEC material was also useful for developing an understanding among students for do’s and don’ts of disaster.



Sticker Sheet



Hazard Preparedness Game

4. CELEBRATION OF SCHOOL SAFETY WEEK 2016

4.1 INAUGURATION



The Gujarat School Safety Week, 2016 was inaugurated on 30th August, 2016 at Bhaskarcharya Institute For Space Applications & Geoinformatics (BISAG), Gandhinagar by Smt. Anuradha Mall, IAS, CEO-GSDMA, Shri K. Shrinivas, IAS, Principal Secretary, Revenue Department, Shri G.C. Brahmbhatt, IAS, Addl. C.E.O-GSDMA and Shri J.J Shelat, Director (Finance), GSDMA. The inauguration was broadcasted in all the schools and students and teacher were motivated by the dignitaries.

During inauguration the dignitaries explained the significance of preparedness activities for disaster management and motivated all the students and teachers to actively participate in school safety week activities.

They also emphasized taking the School Safety Week as an opportunity to learn various techniques associated with school safety and build a culture of safety.

The day wise schedule of celebration of School Safety Week, 2016 is given below:

| Sr. No. | Date | Activities in Schools |
|---------|------------|--|
| 1. | 30/08/2016 | <ul style="list-style-type: none">▪ Inauguration▪ Orientation program- Introduction to Disasters, Hazards and Vulnerability |

| Sr. No. | Date | Activities in Schools |
|---------|------------|---|
| | | <ul style="list-style-type: none"> ▪ Session on School Disaster Management Plan |
| 2. | 31/08/2016 | <ul style="list-style-type: none"> ▪ Building awareness about Flood and Cyclone and the response to these disasters theme with the help of IEC materials, Audio/Video, posters and Games ▪ Orientation on Non-Structural risks in the school. |
| 3. | 01/09/2016 | <ul style="list-style-type: none"> ▪ Session on Fire, Earthquake and Road Accidents ▪ Disaster Awareness Film Screening |
| 4. | 02/09/2016 | <ul style="list-style-type: none"> ▪ Orientation on Search and Rescue and First Aid ▪ Slogan competition and Debate competition ▪ Project Competition from school children |
| 5. | 03/09/2016 | <ul style="list-style-type: none"> ▪ Shakeout Drill and Mock Exercises (Mock Drills) ▪ Prize distribution |

4.2 CELEBRATION

The above mentioned activities were celebrated in schools through teachers. Various games like ‘Hazard Preparedness Game’, and Safety Site Identification were played by the students, helping them understand the significance of preparedness.





Charts showing non-structural safety were mounted in all the schools. Lectures were arranged by teachers regarding hazards, their do's and don'ts and students actively participated in it.

To trigger imagination and creativity of students drawing competitions, slogan competition, shakeout drills, etc were organized in each and every school. During School Safety Week students prepared emergency kits, established early warning team at school level, identified school level disasters and made models showing various disasters like earthquake, road accidents, etc. Students were happy to learn and understand safety measure like first aid, search and rescue and evacuation.

Mock drills were organized during school safety week by various stakeholders. Shakeout drills were organized by schools according to the schedule of the activity and the teachers and principals trained at district level conducted shakeout drills successfully. National Disaster Response Force and District Fire department conducted 139 mock drills in various schools.



Earthquake and fire mock drill were conducted in schools.

NDRF also arranged first aid demonstration, display of search and rescue equipments & techniques. They also explained the use of locally available material for emergency response.



Demonstrations: The basic first aid knowledge was given to school students by Red Cross and GVK EMRI 108. The demonstrations by Red Cross and GVK EMRI 108 helped in developing capacity of students as a first responder during any emergency or disaster situation.



According to the celebration plan of School Safety Week, 2016 painting competition and essay writing competition were held in all the schools for which '*Disaster Management*' was a broad theme.

Fire Department demonstrated fire safety drill, use of fire extinguishers to the students. Students learnt the use of fire extinguishers enthusiastically.



Painting competitions and project making competitions were organized during School Safety Week which was based on disaster management theme and it provided an opportunity to school students for displaying their creative skills.





5. MEDIA COVERAGE

The activities conducted under School Safety Week were well appreciated by the local media. The coverage also helped in enhancing participation of students/ parents.

**લખપત તાલુકાની શાળાઓમાં
શાળા સલામતી સમાહ ઉજવાયું**
બીઆરસી ભવન લખપતનું સફળ આયોજન

શાળા સલામતી સપ્નાઈમાં વિદ્યાર્થીઓને
ડિગ્રીસ્ટર વિશે સમજૂતી અપાશે

Gujarat Samachar , 28th August 2016

મોટીવિરાણી અને ચાવડકામાં
આપત્તિ વ્યવસ્થાપન તાલીમ

બિસ્તુન સમજ આપી આપું
વયદ્યાપણ અંગે દેમાન્ડેશન ૨૦ કર્યું
હંગું ઉપરંત ચારકડા પા શાયામા





ના. ૦૩/૦૮/૧૯ સુધી ચલાનારી
તાનીમિનો સરથેંબ રંગભા અજેઠ તથા
એસ. એમ. ટી. સભ્યોને હી પારાવિન
કરી પારદેંબ કર્યા હતો, જેમાં રૂપ
પરાવન અને કાંઈ રૂપ પારાવિન
તારથી અંગે જાગૃત ડેણવાની, સુધી
તથા ચિન સ્પષ્ટાની, આપણા દખને શાળા
પાલી કર્યાવી વરેંબ અંગે સમજ
આપાશે. આ તક રહ્યાનું, પદમાન,
એચ. એચ. પરમાર, રી. એચ.
પરમાર, ટી. એચ. પરમાર, રી. એચ.

વિદ્યાર્થીઓને ભૂકપ
વિશે માહિતી આપી

କିମ୍ବା କିମ୍ବାର୍ଦ୍ଦ ପତ୍ରକା

શહેરના કારેલીઓના વિસ્તારમાં
આવેલ સરદાર વિનય મહિને
શાળામાં તા. 31મી ઓગસ્ટ
‘ડિક્ઝાસ્ટ મેનેજમેન્ટ’ સેમિનારનું
આપોજન કરવામાં આવ્યું હતું. એન-
ડી.આર.એસ.ની બટાલિયન-ઠની
એક ટુકડી દારા શાળાના વિદ્યાર્થીઓને
સમાચારકતાવ, નિર્દેશન, સાધનની
ઓળખ, ભચાવ કરવાના વિવિધ
રીતો વિશે સમજાણ આપવામાં આવી
કરી. પુરુષુક્પ, આગ વગેરે હેઠળે
આકાશિક ઘટનાના સમયે હાથવગાં
સાધનોથી કેવી રીતે ભચાવ કરી
જાકાય તેનું નિર્દેશન કર્યું હતું.

Divya Bhaskar, 3rs September 2016

વડોદરા મ્યુ. કોપો. દ્વારા શાળા
સલામતી સપ્તાહ ઉજવાયું

વડोહારા ખુનિસિપલ કોર્પોરેશન દ્વારા
તાજેતરમાં થાઈની ૨૦૯ શાળાઓમાં
ગુજરાત આપતી વ્યવસ્થાપનના સૌઝન્યબી
શાળા સલામતી સંપત્તિની ઉચ્ચવાણી અન્તરેત
વડોહારા કાયર જિલ્લાના સહકારબી ૩૦ બી
વપું શાળાઓમાં મોકૃશીલ અને તેમો દ્વારા
માર્ગદર્શન આપવામાં આવ્યું હતું, તથ્યપરંતુ,
NDRF, Off site Emergency, IOCL ભૂંડુપ
સંસ્કોપન સંસ્થાન, ગાંધીનગર, એન્ફોબી દ્વારા
કુલ ૮૦ શાળામાં આપતી વ્યવસ્થાપનને વનતી
માહિતી પૂરી પાડવામાં આવી છે. સમગ્ર જાનકાર
દરમયાન શાળાઓમાં ડિઝાસ્ટર મેનેજમેન્ટને
લગતી પ્રોજેક્ટ વડી, ચિત્ર સ્પર્ધા, સ્લોગન
સ્પર્ધાઓ પાંચ હતી.

Sandesh Newspaper, 5th September, 2016

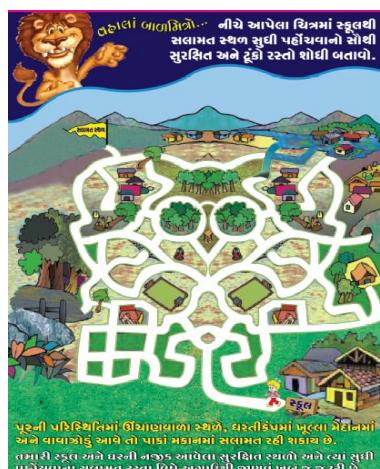
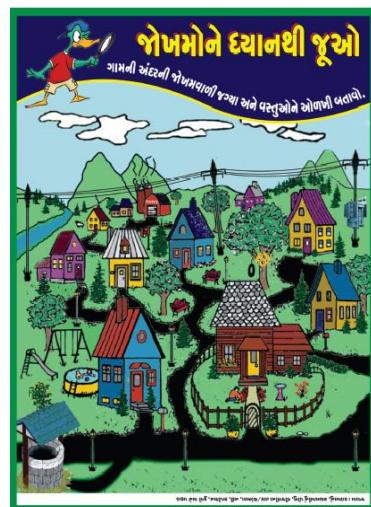
અગમયેતી 4 લાખો કરૂંડુકમ હોણું 105 શાળાનો આચાર્ય ઘાને રિસ્કટાને મેન્ડામેન્ટ પાઠાન, મેડિકિની સમાજ લાગા

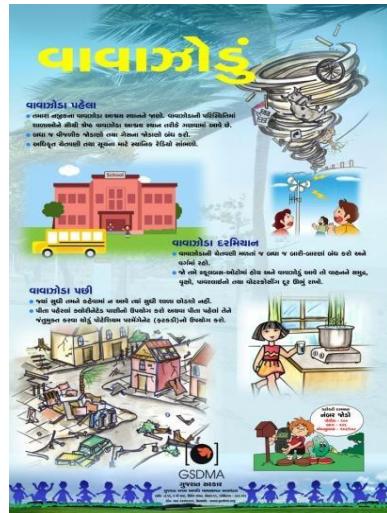
આચાર્ય- શિક્ષકો ડિમાસ્ટર મેનેજમેન્ટ ના પાઠ શીખ્યા

**દ્વારા પ્રદાન કરેલી અને ખાંડા માટે એવી વિધી
મહાગંગાનુભૂતિ માટે મુશ્કલ રાખ નિરસનો વિષાદ રચાય આપવાની
આપી વિશ્વાસાન સતતીએ તેથી માટી હતી.**

Divya Bhaskar, 2nd September, 2016

ANNEXURE 1





ANNEXURE 2







