



## નગર પ્રાથમિક શિક્ષણ સમિતિ અમદાવાદ

પરિપત્ર નં. ૧૩ તા.૨૫-૫-૧૯

ફક્ત મ્યુનિ. શાળાઓ માટે :-

વિષય :- મ્યુનિ. શાળાઓમાં ફાયર સેફ્ટી તથા કુદરતી આપત્તિ સામે સલામતિના ભાગરૂપે તકેદારી રાખવા બાબત.

આથી તમામ મ્યુનિ. શાળાના મુખ્ય શિક્ષકશ્રીઓને જણાવવાનું કે, મ્યુનિ. શાળાઓમાં આ અગાઉ મ્યુનિ. સ્કૂલ બોર્ડ, મ્યુનિ. કોર્પોરેશન તથા ગુજરાત રાજ્ય આપત્તિ વ્યવસ્થાપન સત્તા મંડળ દ્વારા શાળાઓમાં કોઈપણ પ્રકારની કુદરતી આપત્તિ સાથે કોઈ અનિચ્છનીય બનાવ ન બને તે માટે તકેદારીના ભાગરૂપે અવારનવાર પરિપત્રો, મીટીંગો તથા ઝોન કે શાળા કક્ષાએ તાલીમ આપવામાં આવે છે. મ્યુનિ. શાળામાં ભણતા વિદ્યાર્થીઓ, શિક્ષકો કે અન્ય કર્મચારીઓની સલામતીએ પ્રાથમિક જરૂરિયાત છે. આ માટે આ અગાઉ પરિપત્ર દ્વારા સૂચનાઓ આપવામાં આવેલ છે તે ઉપરાંત આ સાથે નેશનલ ડીઝાસ્ટર મેનેજમેન્ટ ગાઈડલાઈનનો પણ અભ્યાસ કરીને ચૂસ્ત અમલ કરવા જણાવવામાં આવે છે.

૧. મ્યુનિ. શાળાઓમાં સને ૨૦૧૩-૧૪ની સાલમાં મ્યુનિ. કોર્પોરેશનના ફાયર બ્રિગેડ વિભાગ દ્વારા જે ફાયર ઉપકરણો મુકવામાં આવેલ છે તે અન્વયે આ સાથેના બિડાણમાં આપવામાં આવેલ પત્રક મુજબ ચકાસણી કરી માહિતી મોકલી આપવી.
૨. દરેક માળે ગાઈડ લાઈન મુજબ ફાયર ઉપકરણ છે કે નહી તેનો રિપોર્ટ આપવો.
૩. ગત્ વર્ષે અત્રેથી લાઈફગાર્ડ ફાયર ઉપકરણ મુકવામાં આવેલ છે તેની અત્રેથી આપેલ માર્ગદર્શન મુજબ ચાલુ હાલતમાં છે કે નહી તેની ચકાસણી કરવી.
૪. આ અગાઉ શાળાઓમાં ગુજરાત રાજ્ય આપત્તિ વ્યવસ્થાપન સત્તા મંડળ દ્વારા આપેલ સૂચનાઓનું પાલન થાય છે કે નહીં તેની પણ ચકાસણી કરવી. દરેક શાળામાં ડીઝાસ્ટર મેનેજમેન્ટ પ્લાન અમલમાં છે કે કેમ તે ચકાસવું.
૫. કમશ: નાના ધોરણો ગ્રાઉન્ડ ફ્લોર પરથી પ્રથમ માળ, બીજા માળે અભ્યાસ કરે છે કે કેમ તેની પણ ચકાસણી કરવી. એટલે કે ધો. ૧ થી ૫ ગ્રાઉન્ડ ફ્લોર પર અને જો ઓરડા ખૂટે તો જ ઉપરના માળે બેસાડવા.
૬. કઈ કઈ શાળાઓમાં એક જ સીડી છે તેનો અલગથી રિપોર્ટ કરવો.
૭. જે શાળાઓ ભાડાના મકાનમાં બેસે છે અને નીચે કોમર્શિયલ દુકાનો હોય તો શાળા સાથે સાથે દુકાનોમાં પણ ફાયરના ઉપકરણોની શી સુવિધા છે તેની ખાસ ચકાસણી કરી અલગથી રિપોર્ટ કરવો.
૮. વિજળીક સાધનો પર ઓવર લોડીંગ તથા એક્ષ્ટેન્શન લોડીંગ તેમજ મલ્ટી સ્ટ્રીપ્સનો ઉપયોગ ન કરવો.
૯. શાળા મકાનમાં અવરજવરના માર્ગો અડચણ વગરના રાખવા, ખાસ કરીને દાદર સંપૂર્ણપણે અડચણરહિત રાખવો.
૧૦. સ્થળાંતર માટેના પ્રાથમિક તથા ત્યારપછીના વૈકલ્પિક માર્ગો તથા સલામત સ્થળે એકત્ર થવાના સ્થળોની જાણકારી આપવી.
૧૧. મ્યુનિ. શાળાઓમાં કોઈપણ પ્રકારે આગ લાગે તેવા ઉપકરણો, વસ્તુઓ, ગેસ આધારીત સાધનો હોવા જોઈએ નહીં.



## નગર પ્રાથમિક શિક્ષણ સમિતિ અમદાવાદ

૧૨. કોઈપણ પ્રકારનું જોખમી વાયરીંગ ન હોવું જોઈએ. આવું વાયરીંગ દેખાય તો શાળા વિકાસ ગ્રાન્ટમાંથી રીપેરીંગ કરાવી લેવું.
૧૩. શાળાઓમાં આગ સામે સલામતી માટેની માર્ગદર્શિકાનો યુક્ત અમલ કરાવવો.
૧૪. દર વર્ષે એ.એમ.સી. ફાયર ડીપાર્ટમેન્ટ દ્વારા તથા ગુજરાત રાજ્ય આપત્તિ વ્યવસ્થાપ સત્તા મંડળના સંયુક્ત ઉપક્રમે શાળા સલામતી કાર્યક્રમ અંતર્ગત ફાયર સેફ્ટી સાથે જુદા જુદા પ્રકારની ડીઝાસ્ટર મેનેજમેન્ટ અંગેની સુંદર તાલીમ આપવામાં આવે છે તે તાલીમનું આ વર્ષે પણ નવા શૈક્ષણિક સત્રથી શરૂઆતમાં દરેક શાળાના મુખ્ય શિક્ષકો, શિક્ષકો, એસ.એમ.સી.ના સભ્યશ્રીઓ તથા બાળકોને ૧૦૦% તાલીમ શાળા લેવલે મળે તે પ્રકારની ઝોન લેવલથી તમામ વ્યવસ્થાઓ સુનિશ્ચિત કરી આપવામાં આવેલ તાલીમનો અત્રેની કચેરીએ રિપોર્ટ કરવાનો રહેશે.
- આ ઉપરાંત આ સાથે સામેલ શાળાઓમાં આગ સામે સલામતી માટેની માર્ગદર્શિકાનો અભ્યાસ કરી જરૂરિયાત મુજબના પગલાં લેવાના રહેશે.

બિડાણ :- ૧ માહિતી પત્રક-૧  
૨. નેશનલ ડીઝાસ્ટર મેનેજમેન્ટ ગાઈડલાઈન (ગુજરાતી અને અંગ્રેજી બંને)

તા.૨૫-૦૫-૨૦૧૯

ડૉ. એલ.ડી.દેસાઈ  
શાસનાધિકારી





# NATIONAL DISASTER MANAGEMENT GUIDELINES

## SCHOOL SAFETY POLICY



February 2016



NATIONAL DISASTER MANAGEMENT AUTHORITY  
GOVERNMENT OF INDIA



# National Disaster Management Guidelines

## School Safety Policy

## National Disaster Management Guidelines- School Safety Policy

### **A publication of:**

National Disaster Management Authority  
Government of India  
NDMA Bhawan  
A-1, Safdarjung Enclave  
New Delhi – 110 029

ISBN : 978-93-84792-01-5

February, 2016

### **When citing this Hand Book, the following citation should be used:**

National Disaster Management Guidelines – School Safety Policy -February 2016  
*A publication of the National Disaster Management Authority, Government of India.*

*ISBN: 978-93-84792-01-5*  
*February 2016, New Delhi*

# National Disaster Management Guidelines

## School Safety Policy



National Disaster Management Authority  
Government of India







प्रधान मंत्री  
Prime Minister

**MESSAGE**

I am happy to learn that the National Disaster Management Authority (NDMA) has prepared a comprehensive school safety policy with a vision of safety of school children and influencing the society at large for disaster risk reduction.

I am sure, this document will go a long way in establishing new benchmarks for the safety of school children.

On this occasion, I extend my best wishes to NDMA.

(Narendra Modi)

New Delhi  
22 January, 2016



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## Executive Summary

The National School Safety Policy Guidelines stand for a vision of India where all children and their teachers, and other stakeholders in the school community are safe from any kind of risks due to natural hazards. The Guidelines focus upon the urgent need to strengthen risk resilience of schools in rural as well as urban areas of the country. It is hoped that this document will be useful to ensure that all school children across the country remain safe from any kind of disaster risk as they access their right to education.

The Guidelines highlight upon the following key elements:

- Addresses the vertical of school safety in a more inclusive and holistic manner in the national policy sphere
- Capacity building of children, teachers, school personnel, state and district education machinery on school safety and disaster preparedness
- Anchoring /implementing child centered community based disaster risk reduction in the local context
- Mainstreaming risk and safety education in the school curriculum.
- Linking school safety in the existing government schemes and policies.
- Strengthening coordination amongst institutional structures at the district, state, and national levels to promote effective child rights governance in disaster situations

**Chapter 1** introduces the concept and examines the importance on school safety as placed in the various national policies and guidelines.

**Chapter 2** details the key challenges faced while addressing safety issues in schools, the core principles of school safety which have been kept in mind while formulating the said guidelines and the vision and objectives of the guidelines.

**Chapter 3** details the various activities that need to be undertaken at the state, district and local levels to be able to address school safety in a holistic manner. This includes, school safety planning at designated levels, preparation of school disaster management plans, implementation of safety actions (structural and non –structural measures, capacity building of stakeholders, incorporation of school safety and disaster preparedness in core curriculum, monitoring of risk and mainstreaming of disaster risk reduction in all the school education initiatives.

**Chapter 4** details the roles and responsibilities of the various stakeholders to ensure school safety at national, state and local levels.

**Chapter 5** highlights specific actions towards school safety that can be undertaken by different stakeholders within the existing framework for delivery of education.



# Section 1

## Introduction

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# 1

## Introduction

### 1.1 Disasters as a critical threat to the well-being of children

'Disasters', are defined as "a serious disruption of the functioning of a community or a society causing widespread human, material, economic or environmental losses which exceed the ability of the affected community or society to cope using its own resources"<sup>1</sup>. Due to a range of factors, including age, physical ability, gender, health conditions and, dependency on care givers, many children are extremely vulnerable in the event of a disaster. Such events cause a serious disruption in their healthy growth and development as well as overall well-being. Experiences of fear, violence, separation from parents and caregivers, exploitation and abuse, are some of the key risks that children face. Moreover, the loss of livelihood of their families can lead to homelessness and extreme poverty. As with other infrastructure, schools are also exposed to disaster risk. Disasters have not only challenged the government and other stakeholders in providing access to education but also endangered the lives of children and those engaged in the pursuit of education.

There is enough evidence to reflect that the quality of school premises and existing capacities of the stakeholders have a bearing on a child's vulnerability to disaster risks. *Annexure 1 provides details on the number of lives lost and the extent of damage to school premises in some of the major disasters globally and nationally.*

Given the fact that children are expected to spend majority of their time at school, safe schools attain very high importance with a view to ensuring their safety and well being. Schools can be a safe haven for children that help them slowly move back to normalcy. Within the safe school

premises, essential supplementary nutrition for children can be provided, along with safe water and sanitation facilities especially for adolescent girls and boys. Thus there is a global consensus that schools should be resumed at the earliest in the aftermath of a disaster

### 1.2 Understanding School Safety

'School Safety' has been defined as the creation of safe environments for children starting from their homes to their schools and back. This includes safety from large-scale 'natural' hazards of geological/climatic origin, human-made risks, pandemics, violence as well as more frequent and smaller-scale fires, transportation and other related emergencies, and environmental threats that can adversely affect the lives of children.<sup>2</sup> The concept has evolved over the last couple of decades as the threat to the physical well being of children has become more visible both globally and in the country.

**The Hyogo Framework for Action (HFA) 2005-2015;** building the Resilience of Nations and Communities to Disasters, adopted at the World Conference on Disaster Reduction underlines the importance of **knowledge and education** as one of its five main priorities. It draws attention to school children and youth with the aim of making the community at large more aware of the threat of hazards and become better prepared.

The concept of school safety in its current form includes safety issues both inside and outside the school. It includes issues of child protection and safety that look at all forms of violence and deprivation that affect the physical and mental wellbeing of children. As it stands today therefore, School Safety is a concept

1. <http://www.unisdr.org/eng/library/lib-terminology-eng%20home.htm> on 13 October 2013.

2. Ahmedabad Action Agenda for School Safety, Outcome document of the International Conference on School Safety, 18th - 20th January, 2007, Ahmedabad, India

that encompasses “the creation of safe environments for children starting from their homes to their schools and back<sup>3</sup>.”

### 1.3 National Policy Instruments

**Constitution of India:** As per the Indian Constitution, access to education is a fundamental right of each child in the country

**National Policy on Children (2013):** The National Policy for Children reaffirms the Government’s commitment to the realization of rights of all children in the country. It recognizes that “every person below the age of eighteen years as a child and that childhood is an integral part of life with a value of own, and long term, sustainable, multi-sectoral, integrated, and inclusive approach is necessary for the harmonious development and protection of our children”. The Policy has identified survival, health, nutrition, education, development, protection (including from emergencies/disasters) and participation as the undeniable rights of every child, and has also declared these as key priority areas.

**National Disaster Management Act (2005):** The National Disaster Management Act 2005 lays down the institutional, legal, financial and coordination mechanisms for Disaster Management (DM) at the national, state, district and local levels. Through the National Institute of Disaster Management, the Act envisages promotion of safety awareness among stakeholders including teachers and students.

**National Policy on Disaster Management (NPDM), 2009:** The National Policy on Disaster Management 2009 highlights the need for structural as well as non- structural safety in schools and educational institutions. In the chapter on Techno-legal Regime, in section 6.4.1, the Policy identifies school buildings as a national priority and enables provision for designing the school buildings/hostels with earthquake resilient features and equip them with appropriate fire safety measures. In the chapter on capacity development under section 10.2.2, the policy also emphasizes upon disaster management training in all educational institutions including schools. Section 10.5.1 makes a reference to the role of National Cadet Corps (NCC) and scouts

3. Ahmedabad Action Agenda for School Safety, Outcome document of the International Conference on School Safety, 18th - 20th January, 2007, Ahmedabad, India

and guides in schools and colleges for disaster management related work. Section 10.6.1 of NPDM discusses the introduction of subject of disaster management in the curriculum through the Central and State Boards of Secondary Education.

**National Policy on Education (NPE) 1968, Revised in 1992, the National Policy on Education** calls for a “child-centred approach” in primary education, but does not contain a specific reference to school safety or disaster risk issues of children.

**Right to Education Act 2009:** Right to Education (RTE) Act 2009 guarantees free and compulsory education to all the children in the country till the age of 14. The Act sets minimum norms and standards with regard to location and quality of schools and in Clause 19, lays down that no school shall be established, or recognized unless it fulfils the norms and standards specified in the schedule. One of the key standards is in relation to access to “all weather buildings”; in “areas with difficult terrain, risk of landslides, floods, lack of roads and in general, danger for young children in the approach...the State Government / Local Authority shall locate the school in such a manner as to avoid such dangers”. The Act lays down the formation of the School Management Committee for planning of infrastructure and other requirements with respect to operational functioning of schools. The School Development Plan, as laid out by the Act, spells out the physical requirements of additional infrastructure and equipments to meet the norms spelt out in the schedule (in relation to all weather buildings). The RTE Rules provide detailed guidance on implementation of the Act on the ground.

### 1.4 Scope of the Guidelines:

The National School Safety Policy Guidelines draw the attention of the decision makers on school education in India (both government and private) upon the urgent need to strengthen risk resilience of schools in rural as well as urban areas of the country. It is hoped that this document will be useful for these institutions to ensure that all school children across the country remain safe from any kind of disaster risk as they access their right to education.

# Section 2

## Vision, Approach and Objectives of the Guidelines

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# 2

## Vision, Approach and Objectives of the Guidelines

### 2.1 Vision

The National School Safety Policy Guidelines apply to all schools in the country – whether government, aided or private, irrespective of their location in rural or urban areas. They apply to all stakeholders involved in delivery of education to children in India. The Guidelines stand for a vision of India where all children and their teachers, and other stakeholders in the school community are safe from any kind of preventable risks due to natural hazards that may threaten their well-being during the pursuit of education. The guidelines also actively promote that educational continuity is maintained / resumed even in the immediate aftermath of a disaster so that children are physically, mentally and emotionally secure within their schools. **Right to Education is a fundamental right enshrined in the Constitution of India.** In order to facilitate access of all children in the country with respect to the Right to Education, it is important to ensure that children remain safe as they access and enjoy their Right to Education.

### 2.2 Key Challenges for Safe Schools

Efforts on school safety at the National and State levels are at an evolving stage. Key challenges in implementation of school safety measures include:

- **Disconnect between institutions:** There is a visible disconnect between the 'non-emergency' schemes (Pertaining to Education) such as Sarva Shiksha Abhiyan and Disaster response / preparedness. Education programmes are executed in most states with little synergy or policy linkages with the SDMA / DDMA.
- **Limited convergence between schemes:** Resources required for effective implementation of a govt. scheme cannot

be leveraged in the absence of a mechanism for collaborative working with other budget holders. For instance, land development within the school campus may be funded through Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA). However, close coordination between micro planning activity for MGNREGA and School Development Plan preparation would be necessary for convergence.

- **Limited understanding of school safety concept:** It is evident that the existing education machinery in the country is keen to promote safe learning environment for children and teachers but actual implementation of programmes on ground points to limited understanding of the concept of safety. At best, new school designs incorporate earthquake safety features in many areas; however floods, cyclones, landslides have been given little attention in design and costing of schools. In addition non-structural elements are often not understood as threats to safety. At the level of teachers and students, safety issues are discussed and pursued as one off activities. School timetable and curriculum need suitable modifications to make safety understanding a routine activity.

The National School Safety Policy Guidelines emphasize on the need for active mainstreaming of disaster risk reduction in all the school education initiatives in the country. This would require a collaborative approach between the state education departments and the state disaster management machinery. Collaboration, would be necessary especially for capacity development activities such as sensitization of officials, public awareness on disasters, training of students and teachers; pre-positioning equipments for emergency response, creation of educational material on disasters and, monitoring of risk.

## 2.3 Approach to Implementation

Fundamental principles that form the core approach of these guidelines are given below:

### 2.3.1 All hazard approach

School Safety efforts need to take cognizance of all kinds of hazards that may affect the well-being of children. These may include natural hazards such as floods and earthquakes as well as manmade hazards. Hazards include structural and non- structural factors. Structural factors include dilapidated buildings, poorly designed structures, faulty construction, poorly maintained infrastructure, loose building elements, etc. while non structural factors include loosely placed heavy objects such as almirahs, infestation of the campus by snakes and any other pests, broken or no boundary walls, uneven flooring, blocked evacuation routes, poorly designed and placed furniture that may cause accidents and injury, inadequate sanitation facilities etc. Safety of children, their teachers and parents needs to be approached holistically to include visible as well as invisible risks that may be sudden on-set or have built-up slowly over a period of time.

### 2.3.2 Strengthening existing policy provisions to make schools safer

There has been substantial investment by the Government in creating infrastructure for the education sector. There is need to ensure that all the existing and new infrastructure is resilient to locally relevant hazards through the design and construction processes. Unsafe structures can increase the vulnerability of children who are the primary target group of such efforts. Thus it is

important to ensure that all development actions taken even in non-emergency times are designed with a view to ensuring their performance during emergencies.

It is imperative that the existing institutions at the national and state level are strengthened and capacitated to take responsibility of school safety planning and action. Such a step will not only ensure that development policies and programmes are strengthened but also provide the necessary succor to safety actions.

### 2.3.3 School Safety as an indicator of quality for planning, execution and monitoring

School Safety is not a onetime effort but a continuous process. Safety principles need to be incorporated in the day to day functioning of the educational institutions in the country, cutting across the traditional stages of the disaster cycle: preparedness, response and recovery. Thus institutions involved in providing education in the country need to evolve a methodology and an approach of their own that looks at safety as a continuously monitored indicator of quality.

## 2.4 Objectives of the Policy Guidelines

The primary objective of the National School Safety Policy Guidelines is to ensure the creation of safe learning environment for children. The Policy Guidelines also seek to highlight specific actions towards school safety that can be undertaken by different stakeholders within the existing framework for delivery of education.

# Section 3

## Action areas

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# 3

## Action Areas

### 3.1 Strengthening Institutional Commitment to Safe Learning Environment for Children

The first and foremost step in promoting safety of learning spaces is to sensitize and strengthen official structures and mechanisms responsible for safety at the State, District and Local levels.

#### 3.1.1 Institutional Strengthening at the State and District Level

The institutional and regulatory framework as laid down in the various National Acts provides for realizing the Right to Education as well as Disaster Management in the country. For ensuring that students and their teachers remain safe in pursuit of education, it is necessary that the two institutional frameworks act in convergence with each other, through the phases of preparedness, response and recovery.

The Right to Education Act (RTE) guarantees free and compulsory education to all the children in the country till the age of 14 based on minimum norms and standards that are mandatory for any school in the country to be "established, or recognized". It recognizes the need for "**all weather buildings**" and limitations posed by difficulty of terrain, risk of landslides, floods, lack of roads and in general, danger for young children in approach etc.

The RTE Act thus serves as a strong base for promoting school safety. The framework for implementation of RTE-SSA has a strong focus on Disaster Management

The National Disaster Management Act, 2005 mandates the State Disaster Management Authorities (SDMA) to provide guidelines for different departments to integrate disaster prevention and mitigation measures in their development plans and provide necessary technical assistance thereof. The SDMA needs to

work closely with the State Education Department to support the school safety efforts at the state level.

There is a need to co-opt senior officials of the Department of Education at the State and the District level as part of the State and District Disaster Management Authorities for promotion of safe schools. In addition, a **School Safety Advisory Committee** may be formed to advise the education department on the subject.

This will ensure that school safety can be practically promoted through convergent action by the SDMA / DDMA and the education machinery at the state and district level.

As a direct consequence of this institutional dovetailing / convergence, the state and district disaster management plans will include a focus on educational infrastructure and supportive action thereof, such as status of education infrastructure from a risk resilience perspective, capacity building of different stakeholders on safety aspects, and large scale awareness on disasters among students and the community at large. In parallel, the education machinery also needs to strengthen their efforts with respect to promoting school safety for government, aided as well as private schools.

The District Education Officer must ensure that 'Recognition Certificate' under sub-rule (4) 15 of Right of Children to Free and Compulsory Education Rules, 2010 is issued only to those schools that comply with safety norms laid out in the Building Codes. This compliance needs to be monitored on a regular basis.

In addition, a mechanism needs to be evolved by the District Education Officer and designated Regulatory Authorities for monitoring safety parameters in all schools on a regular basis. Any existing monitoring formats being used by the Authorities shall essentially include parameters on school safety as well.

In addition, each district should designate the Block Education Officer or any other official as appropriate, for over-seeing and facilitating school safety at the block level.

### 3.1.2 Institutional Strengthening at the Local Level for Preparedness and Response

At the local level, both in rural as well as urban areas, the school community broadly includes children, school teachers, the Principal / Headmaster and parents. These are the primary stakeholders of the school affairs and may be represented formally or informally in decision making bodies for the school. It is imperative that these existing institutions at the school level are strengthened, and their potential adequately tapped for ensuring wellbeing of children and teachers from a disaster safety perspective.

Under the SSA, **the School Management Committee** has been designated as the body responsible for managing the affairs of the school in a transparent and "bottom – up" participatory manner.

The School Management Committee needs to be made responsible for taking on the safety agenda at the community and school level. The School Management Committee needs to be sensitized and oriented on their expected role.

At the school level, a School Safety Focal Point Teacher (FPT) needs to be nominated to operationally anchor safety related actions at the school level as part of his / her routine commitments in the School. The School Safety Focal Point Teachers also need to be provided the necessary training to anchor the process and foster action by different stakeholders responsible for various activities.

The School Management Committee in each school should be adequately trained for different aspects of school safety in case of an imminent disaster/emergency, e.g. sanitation and hygiene needs of boys, girls and teachers; first aid; stampede management; fire management and control, handling of chemicals /hazardous materials in labs etc.

Each school should also identify and develop a cadre of peer educators / trainers for ensuring that safety messages, dos and don'ts of different disasters, procedures and protocols, reach each and every student in the school. These peer

educators can be trained through National Cadet Corps, National scouts and guides camps, by the Red Cross or any other agency as deemed fit by the district.

Many private schools have in place mechanisms to address everyday issues in relation to school expansion and development, fire drills, power outage procedures, early dismissals on account of unexpected weather events, health and safety concerns, trespassers or road/bus accidents. However the nature and effectiveness of these mechanisms varies. These mechanisms need to be made more inclusive as far as children are concerned as well as be more pro-active with regard to issues on safety.

## 3.2 Planning for Safety

School safety planning needs to be undertaken at the district level as well as at the local /school level.

### 3.2.1 Planning at the district level – links with district level DM efforts

The District Disaster Management Plans (DDMPs) need to incorporate concerns and solutions for addressing safety related gaps in all the schools in the district and their surrounding environs. Moreover schools often serve as emergency shelter locations in the immediate aftermath of a disaster. Hence the DDMPs need to make sure that school safety is given due attention in the DDMPs.

DDMP should, at the minimum include:

- District level baseline of schools to be made safer. These can be assessed through 'Rapid Visual Screening' or any other tool to cover all hazards relevant to the area.
- Proximity of emergency and crisis service agencies , their capabilities and consequently their expected response time;
- Physical capacity of school infrastructure and facilities to resist known hazards that are relevant to the local context;
- Information related to existing resources and capacities within the school and the community with regard to disaster management;

- Information related to hazards and risks posed by other facilities in the vicinity of the school e.g. any industrial establishments producing hazardous materials.

### 3.2.2 Planning at the school level – inclusive and ongoing action

Planning for emergencies at the school level cannot be done in isolation from the school community and the official structures responsible for schools. Therefore the planning exercise must be inclusive – involving wide range of representatives from the school and its neighbouring communities, including school administrators, school principals, school staff, students and key representatives from the community.

It is equally important to recognize that planning for safety at the school level is not a one time or static process; it is an 'on-going' dynamic process involving identification of safety needs, developing prevention, response and preparedness protocols, evaluating physical facilities, and providing communication and training for staff members and students.

The existing planning processes and protocols at the school level need to be adapted to adequately include safety concerns. For private and unaided schools, the National Accreditation Board for Education and Training needs to monitor safety aspects. In addition, as per the DM Act, DDMA needs to monitor all school buildings for their compliance with building codes.

For schools under SSA, the current process of preparation of annual School Development Plans needs to reinforce focus on safety aspects. A comprehensive assessment of needs, conducted prior to the development of the School Development Plan (SDP) is essential for identifying the possible risks for children as well as their capabilities to respond and recover from critical incidents. The assessment should consider the history of natural disaster risk in the area and natural vulnerabilities, physical factors, such as the location of the school with regard to existing / emerging hazards, for example flooding due to proximity of a water body, building code requirements in relation to school structures as well as non-structural components that may threaten the well-being of children. It should also consider emergency uses of the school facility such as, school being

designated as a relief shelter in the District Disaster Management Plans.

The School Management Committee members, children and teachers being the primary users of the school are in the best position to identify and plan for addressing hazards and risks that may threaten their safety. Once the School Management Committee has been formed and oriented to school safety issues, a dedicated group of individuals is available to lead the process of identifying risks and vulnerabilities.

Any appropriate tool may be used to conduct the process of identifying needs in a participatory manner. For instance, 'Hazard hunt' exercise is a tested method to identify risks, both inside and outside the school precincts that may threaten the safety of the school community. It involves identifying all kinds of hazards including those that can cause physical harm such as deep potholes, lack of boundary walls; those that affect the health of children such as contaminated water sources, absence of toilets and hand washing facilities; as well those factors that are outside the school per se such as fast moving traffic on the road outside, ponds etc. (Refer Annexure 7)

Based on the assessment of needs, the School Development Plan needs to be prepared by the School Management Committee. NDMA through SDMA and DDMA will provide standard tool kits and render other inputs to facilitate the process. **(Format of School DM Plan is available as Annexure 8)**

The plan would comprise measures to be taken both within school premises and in the immediate neighborhood including:

1. Short term interventions : both non-structural and structural activities
2. Long- term interventions : both non-structural and structural activities
3. Training plan: For students and teachers
4. Knowledge building plan including awareness creation, mass sensitization, mock-drills including follow up through regular school timetable. This would also include the use and regular maintenance of emergency equipments such as fire extinguishers.
5. Review and Monitoring plan **including safety audit, availability of emergency equipment and materials**

SSA also mentions, *"..School Development Plan should emerge from a process of micro planning undertaken in a participatory manner..The preparation of the School Development Plan may be undertaken by a core team, led by a School Management Committee member from the village/ habitation, and comprising selected community leaders, NGO representatives, Head Teacher, selected teachers and parents, especially parents of children from disadvantaged groups and weaker sections, and children with special needs... and would include, inter alia.. preparation of a proposal for improved education facilities.." (SSA Framework for Implementation, 2009, pp 137)*

In parallel, the plan also needs to be consulted/ brought in picture with the village Panchayat for exploring opportunities for leveraging other schemes.

### 3.2.3 School Disaster Management Plan

Schools should also develop a Disaster Management Plan defining procedures to confine, contain, consolidate and control the emergency and crisis, with inputs from DDMA.

This plan should include among other aspects, system of warnings, communication protocols within and outside the school (including usage of public addressal system), identification of evacuation routes, access by emergency vehicles and care of children with special needs. The Disaster Management Plan should also include stock piling of emergency equipment and materials, regular maintenance of emergency equipment, arrangements for orderly release of students to guardians and temporary shelter, in case required. A site map should be included in the plan, designating planned evacuation routes and assembly areas. The same should be displayed on each floor of the school. A copy of the plot map and floor plan for each school with these details should be submitted to the DDMA for inclusion in the DDMP.

## 3.3 Implementation of safety actions

### 3.3.1 Appropriate Siting, Design and detailing for structural safety in new schools and repairing of existing schools

All existing as well as new schools need to conform to safety standards as per the National Building Code. In addition, any other norms prescribed by the state government need to be adhered to. (Refer Annexure 6)

Some of these actions are given below:

- New schools should be located, on a site that has adequate mitigation measures already in place against any imminent natural hazards. Existing schools located in a vulnerable location should either be relocated at a safer site or they should be provided adequate support to mitigate the effect of any natural hazards that may affect the area.
- All new school constructions should include disaster resilient features. Existing vulnerable schools need to be repaired to the desired level of resilience with regard to local disaster risks.
- Prescribed designs may be adapted to accommodate safety and child friendly features.
- For design of structural standards of school building and its components such as corridors, staircases, side areas, quality of construction should be as per the National Building Code 2005. Only non-combustible, fire-proof, heat resistant materials shall be used in school construction.
- Vertical expansion of existing schools shall not be carried out without a fitness certificate for the building from a certified civil / structural engineer.
- Additional classrooms or any other structures requiring horizontal expansion shall be designed taking into account the space availability and while constructing as a continuous unit to the existing structures, these should be designed to have less impact of seismic forces.
- Each class room should have two doors for easy evacuation; adequate openings for ventilation and lighting are some of the essential elements that need to be accommodated in the design.
- Doors opening outside, into open areas or corridors of adequate width are key details that need to be incorporated to make schools safer.

All of these and any other additional ones, require the guidance and support of a panel of technical agencies to be identified at the state level and designated to work in specific districts. In this manner location specific designs can be worked out with adequate attention to safety features as well as child friendly elements.

Besides these details, other design solutions in line with the Whole School Development Concept need to be incorporated to promote safety and child friendly features. Elements pertaining to school safety should be included in the whole school development approach.

### 3.3.2 Nonstructural safety measures in schools

Besides structural safety measures, non structural elements within the school campus need to be addressed to ensure safety. These are mostly low cost, regular maintenance items that the school should address on a regular basis from their own funds. Some of these items have been listed below:

- All items of furniture such as almirahs, shelves, black boards etc., as well as any other items that may fall and cause injury to students and teachers such as ceiling fans, coolers, water tanks etc. need to be secured to the walls or floor.
- Any electrical items such as loose wires that may cause an exigency should be addressed promptly by the school.
- Chemical and any hazardous materials in the school laboratory should be

handled and stored as per instructions to prevent any harm to students and school staff.

- Open areas including corridors and evacuation routes including staircases and ramps should be kept free from any hurdles and barriers so that evacuation is smooth and swift.
- Pots / planters in the play ground or corridors should be kept in a manner that does not affect smooth evacuation
- Any derelict or unused building, rubble, etc. should be removed to prevent any harmful animals or pests from accessing children.
- Traffic movement outside the school should be managed to minimize risk to students at the time of assembling and dispersal of school.
- During excursions, schools should carefully choose the location of excursion and the itinerary so that exposure to hazard is minimized. Extra precautions should be taken when students are being taken close to water bodies, narrow mountainous tracks etc.
- Buses or any other vehicles owned / hired by the school need to be maintained properly so that students are not at risk of accidents. Drivers need to be appropriately trained on speed limits, stoppage of vehicles as well as crisis management so that children remain safe during their travel to and from schools.
- Emergency equipment such as fire extinguishers, first aid kits, ropes etc. need to be procured and maintained regularly by the School Authorities.



Various Dimensions of School Safety – building on the Whole School Development Approach

- The figure on page 15 articulates various dimensions of school safety as part of the Whole School Development Plan (WSDP) from the perspective of the School Community:

#### Fire Prevention and Fire Safety

Fire Prevention and Fire Safety measures should be part of initial school design, and also require regular maintenance and testing. The following must be ensured:

- Flammable and hazardous materials sources are limited, isolated, eliminated, or secured. This includes electrical lines and appliances, heaters and stoves, natural gas pipelines and LPG canisters, flammable or combustible liquids;
- Exit routes are clear to facilitate safe evacuation in case of fire or other emergency;
- Detection and alarm systems (especially urban set ups) are working;
- Fire extinguishers are regularly refilled;
- Other fire materials and equipment are regularly maintained;
- Electrical systems are maintained and operable, in compliance with fire safety design criteria (Source: Adapted from IFC EHS Guidelines)

#### 3.3.3 Leveraging existing flagship programmes to make school campus safer

Areas that have a history of disaster risk recognize the value of schools both during an emergency as well as for helping children achieve a sense of normalcy in the aftermath of a disaster. Therefore schools are a valuable asset for any community for the various purposes they serve not only for children but for their families and communities. Therefore, local authorities need to have a strong sense of urgency for ensuring school safety.

In addition, schools can be instrumental in creating an overall 'culture of safety' within the neighboring community through children and teachers. Hence, the relevance of school safety efforts goes much beyond the school itself.

School safety cannot be ensured by the efforts of the school authorities alone. The broader context of the school has a vital role to play in ensuring

safety since school precincts and the facilities therein are provided through different schemes and programmes. Often these schemes and programmes are rather disconnected with the school affairs and special needs of children.

*SSA also recognizes, "...following the micro-planning exercise, the blocks and districts should undertake an exercise to see which requirements can be fulfilled either by redeployment / rationalisation of existing resources or through other schemes of the Central/State Governments. The SDP may be appraised by the Cluster level units, in consultation with the Block teams. The District unit will appraise the Block level plans which will form the basis of the district plan..." (SSA Framework for Implementation, 2009, pp 138)*

The School Development Plan detailing possible sources of funding for different components of school safety including SSA, Backward Areas Grant Fund, National Rural Employment Guarantee Scheme, Nirmal Bharat Abhiyan, Tribal Areas Sub-Plan, MPLAD etc. needs to be shared with Panchayati Raj Institutions / Urban Local bodies and other local level institutions for their participation and support. Components of the School Development Plan that can be included in the Panchayat Plans for Backward Areas Grant Fund, National Rural Employment Guarantee Scheme, etc. need to be subsequently followed up with the relevant departments along with the PRIs/ Urban Local Bodies so that they are executed in a timely fashion with the desired quality- with a focus on children and a focus on safety.

Those activities that the school can undertake on its own such as non-structural mitigation measures for instance, clearing evacuation routes and addressing loose hanging objects, needs to be taken up by the Department of School Education.

#### 3.4 Capacity Building for Safe Schools

A critical enabler for promotion of safety at the school level is deeper understanding, sensitivity and overall capacity of the concerned stakeholders in relation to the issue of school safety.

Capacity building for school safety covers a range of actions spanning from awareness generation and sensitization to training on direct actions required by different stakeholders. Additionally, capacity building is not a one-time activity; it requires follow up of knowledge and skills imparted and regular value additions in the day to day working of teachers, students and school staff.

Capacity building actions for safe schools fall broadly in two categories:

### 3.4.1 General training for students and school staff:

Delineating their expected roles, procedures and responsibilities in relation to any emergency, this training would include strengthening understanding of:

- Potential disasters that may affect the school community;
- Warning signals, emergency and crisis instructions and mitigation actions for different levels of response.
- Evacuation routes, and knowledge of safe spaces and shelter locations;
- First-aid and basic life support
- Availability of personal and group counseling and support following a disaster; and
- Updates in the disaster management plan that affect the total population of the school.

These trainings are necessary for preparation and regular up-dation of school level disaster management plans as well as for effective execution in case the need arises. Therefore regular practice through mock-drill exercises involving teachers together with children is critical for sustaining the impact of safety initiatives.

Awareness programmes for children on local hazards and risk reduction with relevant knowledge and life skills through discussions, street plays, drawing competitions, quiz competitions, essay/ slogan writing and demonstration are proven ways of involving children in a meaningful manner. In addition, rallies, games/matches and other community level activities may be organised with inputs from DDMA/SDMA to make children as well as the larger community aware.

### 3.4.2 Specialized training and skill building:

Training would be imparted for performing specialized roles as part of the School Disaster Management Plan, for instance:

- Specific duties and procedures assigned to students, faculty and staff as part of the School Disaster Management Plan e.g. first aid training, search and rescue etc.
- Coordination of the school safety needs assessment and integration of these needs with the School Development Plan by School Safety Focal Point Teacher and Principals.
- Psycho-social support for students who can benefit from counseling, undertaking activities on trauma management, through writing or art projects as well as making appropriate changes in the curriculum, for healing and learning coping skills.

Such specialized skills can best be imparted by specialized institutions. State Governments need to establish a formal mechanism such as a Joint Plan of Action with specialized agencies such as SDRF and the Red Cross. SDMA needs to involve SDRF in training of Education Officer, SMC, Focal Point Teachers and student peer educators on practical skills such as search and rescue, first aid, basic - life support etc.

Besides the School Safety Focal Point Teachers, all other teachers should be sensitized through the SDMA/DDMA .In addition, District Institutes of Education and Training(DIETs) should also include school safety as part of their pre-service and in-service training programmes.

School Safety Focal point teachers need to be provided training on school safety concept and various activities related to execution of their responsibilities as the School Safety Focal point teachers. State Council for Education and Training (SCERT) should train Master Trainers from each District Institute of Education and Training (DIET) and Master Trainers of each DIET should in turn impart training to school level stakeholders.

The content for training on school safety at all levels should be generated by SCERT, in consultation with SDMA/DDMA. In addition, SCERT needs to develop child friendly teaching material for teachers and students to engage them on school safety issues.



The School Management Committee needs to be trained on assessment of safety needs, developing plans as well as safety audit which needs to be conducted quarterly. This includes checks to ensure that facilities and resources within the school are maintained viz. safe water and sanitation, first aid kits, fire extinguishers etc.

### **Disaster Management in Core Curriculum**

Dedicated actions for building the capacity of students and staff in schools are needed to create a “culture of safety” within the larger community to which the students and teachers belong. This “culture of safety” would be an outcome of the collective efforts of the educational institutional machinery with other institutions concerned with disaster risk such as the State and District Disaster Management Authorities.

On their part, Central Board of Secondary Education, State Boards of Secondary Education (SCERT), and other institutions involved in curriculum development need to include age appropriate theoretical as well as practical knowledge on risk of disasters, nationally and specifically about their own state.

Practical training on health promotion and disease prevention concepts and health-enhancing behaviors and life skills is important.

### **List of Trainings required for promotion of school safety is available in Annexure 3**

#### **Peer Education and Use of Child Friendly Methods**

The strategy of peer-to-peer education is a tested strategy for imparting specific knowledge on disasters such that it reaches each and every student within the school.

This strategy not only promises extended outreach, it also facilitates the development of leadership skills in the students at school and within their community. Peer education for disaster management may be extended to peer mediation in cases of bullying or any other incidences of violence that can be resolved by students themselves.

It is also important to ensure that appropriate child friendly techniques are used in the process of skill building. Use of songs, skits, puppet shows, drawing competitions, quiz competitions, essay/ slogan writing and demonstration are proven ways of transferring knowledge and skills to children.

## **3.5 Regular monitoring of risk and revision of plan**

Implementation of National School Safety Policy Guidelines needs to be monitored at the national level jointly by MHRD and NDMA. At the state level, implementation of the Guidelines needs to be monitored by State Education Department and SDMA.

SSA Framework offers broad guidelines on provisioning of School Infrastructure facilities. Therefore, suitable indicators to monitor disaster risk to children may be developed/monitored by the State Governments based on their specific conditions in assistance with SDMA.

The education machinery at State/district level needs to strengthen their efforts at promoting school safety for aided as well as private schools. The District Education Officer must ensure that ‘Recognition Certificate’ under sub-rule (4) 15 of Right of Children to Free and Compulsory Education Rules, 2010 is issued only to those schools that comply with safety norms laid out in the Building Codes. This compliance needs to be monitored on a regular basis. In addition, a mechanism needs to be evolved by the District Education Officer and any other Regulatory Authorities for monitoring safety parameters in all schools on a regular basis. Any existing monitoring formats being used by the Authorities shall essentially include parameters on school safety.

In addition, each district should designate the Block Education Officer or any other official as appropriate, for overseeing and facilitating school safety at the block level.

To ensure that schools remain ‘safe’ for the students and the teachers, it is important that the School Development Plans are reviewed and updated regularly by School Management Committee on a quarterly basis. There could be cases of unaddressed hazards and additional new hazards that emerge in the course of the implementation of the School Development Plan. These will be integrated into the School Development Plan through the process of review and up-dation. In addition, there may be risks that have to be monitored periodically to safeguard the health and well-being of children, such as cleanliness of toilets and quality of drinking water.

# Section 4

## Roles and Responsibilities of Different Stakeholders

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# 4

## Roles and Responsibilities of Stakeholders

Right of school children to a safe learning environment cannot be upheld by only one institution. The National Policy on Disaster Management reinforces that disaster management is everyone's business; a single individual or agency cannot, on their own be responsible for safeguarding the interest of the future generation. There is a need for a more practical linkage between the national, state and local governance structures so that the overall well-being of children and teachers as well as their families can be promoted. Moreover, these structures need to work together along with the school community to not only address primary risks (floods, earthquake, etc.) but also underlying risks and vulnerabilities to singularly define 'safety' as a quality issue in education facilities whether government, aided or privately owned.

The roles and responsibilities of different stakeholders are given below:

### 4.1 State Disaster Management Authorities (SDMAs):

- Collaborate with and involve education authorities in DM planning, policies, processes and in developing minimum standards for school safety before, during and after emergencies. This can be done by co-opting the State Project Director of SSA and / any other officials / NGOs / Private agencies as part of the SEC of the SDMA.
- Ensure that school safety is given due attention in the SDMPs.
- Collaborate with and provide training inputs to Department of Education for integration of DRR education in formal curriculum of schools.
- Collaborate with and provide training inputs to Department of Education for training of School Safety Focal point teachers and

School Management Committee members to lead school safety efforts in their respective schools.

### 4.2 District Disaster Management Authorities (DDMAs):

- Collaborate with and involve education authorities in DM planning, policies, processes and developing minimum standards for school safety before, during and after emergencies. This can be done by co-opting the District Education Officer and / any other officials / NGOs / Private agencies as part of the DDMA.
- DDMAs need to make sure that school safety is given due attention in the DDMPs.
- Collaborate with and provide training inputs to Department of Education for training of School Safety Focal point teachers and School Management Committee members to lead schoolsafetyeffortsintheirrespectiveschools.
- Ensure that all school buildings whether government or private, comply with the building codes and directives of the Hon'ble Supreme Court of India in relation to safety of children.
- Facilitate specialised training in schools for teachers and peer educators.
- Include issues of school safety –in the District Disaster Management Plans.
- Conduct periodic mock drills at the district level actively involving schools.

### 4.3 National level Education Authorities:

- Provide necessary guidance and resources for infrastructure that is disaster resistant

and encourage states to ensure school safety.

- Allocate resources for retrofitting of schools to make them disaster risk resilient and child friendly.
- Incorporate disaster risk reduction in teacher training programme across institutes and universities.
- Instruct NCERT to meaningfully educate children not only on issues of disaster but on overall 'safety'.

#### 4.4 State level Education Authorities:

- Ensuring the safety of school children and therefore actively engage with SDMA in seeking collaboration and technical solutions for promoting safety.
- Develop strategies, policies and regulations for ensuring that all new schools/ classrooms being constructed are disaster resilient and child friendly.
- Allocate resources, periodic repair of schools to make them disaster risk resilient and child friendly.
- Incorporate disaster risk reduction in teacher training programme across institutes and universities.
- Instruct SCERT to meaningfully educate children not only on issues of disaster but on overall 'safety' as well.
- Include indicators related to 'school safety' in the monitoring formats of all schemes and programmes like Learning Enhancement programme
- Work with other departments to ensure that their resources when applied in and around educational institutions are designed with a 'safety' lens.
- Instruct SCERT to train Master Trainers from each District Institute of Education and Training (DIETs) for training of teachers and students to engage them on school safety issues; Master Trainers of each DIET would in turn impart training to resource persons/ teachers of their respective districts.

#### 4.5 District and Block level Education Authorities:

- Accept responsibility for ensuring the safety of school children and therefore actively engage with DDMA in seeking collaboration and technical solutions for promoting safety.
- Engage with DDMA in preparation of DDMPs to provide inputs on school safety issues. Also ensure in the DDMP that schools are free for continuing educational activities as soon as possible in the immediate aftermath of a disaster.
- Reinforce the responsibility of school management to take prevention, mitigation, preparedness and response actions with regard to safety of children and teachers.
- Implement strategies, policies and regulations for ensuring that all new schools/ classrooms being constructed are disaster resilient and child friendly.
- Allocate resources for retrofitting of schools to make them disaster risk resilient and child friendly.
- Instruct DIET to include school safety training in the curriculum for training of teachers. Work with other line departments to ensure that their resources when applied in and around educational institutions, are designed with a 'safety' lens.
- Grant authorisation to only those schools that comply and continue compliance with safety norms laid out in the building codes and directives of the Hon'ble Supreme Court of India in relation to safety of children.
- Facilitate training of Master Trainers from each District Institute of Education and Training for training of teachers and students to engage them on school safety issues

#### 4.6 SCERT and DIETs:

- School safety agenda at the school : Acknowledge that safety is an important issue that requires sensitization and training of teachers

- Develop interesting modules for training of teachers on issues of disaster risk and how it can be mitigated. These need to be integrated in the ongoing programmes pertaining to training of trainers and teachers.
- Develop child friendly and intellectually stimulating content on the issue of disaster risk for inclusion in the curriculum.
- Train school safety focal point teachers
- Develop modules for training of peer trainers at the school level
- Block Education Officer to orient teachers and Principals on issues of school safety
- Ensure that the school authorities create space in the school curriculum and timetable for disaster risk reduction training and education in all the classes.
- Ensure that schools allocate time for follow up actions on school safety at least once a week.
- Include indicators on safety as part of routine monitoring
- Support schools to include safety issues in the School Development Plans.
- Promote cross-learning between schools with regard to their initiatives for promoting safety.

#### 4.7 School administration:

- Allocate time for weekly knowledge and life-skill building activities.
- Incorporate school safety issues in the school development plan
- Ensure that teachers and non-teaching staff receive appropriate training in disaster risk reduction.
- Involve PRIs/ Urban Local Bodies and line departments in safety planning exercises.
- Ensure that relevant norms and standards for school safety are applied in their own school building and functions.
- Ensure active and equitable participation of school community, including children and

elected representatives for preparing and implementing SDPs.

- Deploy appropriate strategies to encourage and support children to participate in spreading disaster risk reduction knowledge to families and communities.

#### 4.8 Accreditation and Registration Authorities for schools:

- Lay down safe learning environment as a necessary precondition for recognition of schools.
- Insist on the designation of a school safety focal point teacher in new schools applying for recognition/ accreditation.
- Include safety as one of the monitor-able indicators for continued recognition of private schools.

#### 4.9 PRIs / Urban Local Bodies and Line departments:

- Effectively participate in the school safety planning exercises
- Ensure that all infrastructure and installations routed through them for schools and even outside are resilient to local disasters.

#### 4.10 School Children:

- Enthusiastically participate in and learn DRR (Disaster Risk Reduction) principles and practices being taught in school and outside.
- Take cognizance of disaster risks in their own community and actively seek solutions to reduce them
- Participate in preparing and implementing SDPs.
- Participate in mock-drills and appropriate response strategies available in school or community
- Actively spread the knowledge on DRR acquired in school to your families and communities

#### 4.11 Non - Governmental Organizations (local, regional and international):

- Sensitize policy makers on the need for school safety and advocate for a systemic commitment to safety.
- Facilitate and provide training to School Safety Focal point teachers and SDMC members on School Safety Intervention so that they can effectively participate in the school safety efforts.
- Collaborate with academic/scientific/research institutions and experts for development and delivery of training programs and research on new and innovative approaches.
- Participate in coalitions and collaborative platforms for school safety at local, district, state, national and global levels and bring the acquired knowledge and understanding in the geographical areas they are present.
- Advocate the integration of disaster risk reduction into mainstream development activities particularly school education.
- Coordinate knowledge consolidation and dissemination of DRR educational materials and tools.
- Undertake responsibility of orienting and educating the larger donor community and policy-makers on issues of school safety and disaster risk reduction.
- Facilitate the development of monitoring tools to assess the effectiveness of education sector projects from a disaster risk reduction perspective.

#### 4.12 Corporate bodies

- Support for promoting school safety through various activities such as construction of safe schools, repairing of existing schools, awareness creation on safety, capacity building of students and teachers etc.
- Ensure that all schools owned or supported by any corporate bodies comply with safety norms.

#### 4.13 International Funding Agencies and United Nations

- Support to develop and share knowledge on strategic approaches to school safety
- Collaborate to develop and promote good practices in school safety and disaster risk reduction education in all forms.

#### 4.14 Media

- Participate in training on DRR issues and approaches
- Take a lead in building the necessary momentum on school safety through adequate coverage of issues and solutions.
- Participate in the development, refinement and implementation of code of conduct for disaster reporting, especially with respect to children and schools.

# Section 5

## Action Points for Stakeholders

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# 5

## Action Points for Stakeholders

Concerted actions at National, State, District and School levels are to be taken to strengthen school safety measures. A Summary of these 'Action Points' for various stakeholders is furnished below:

### 5.1 National Level:

Action	By Whom	When / frequency
<b>1. Strengthening Institutional Commitment to Safe Learning Environment for Children</b>		
i. Issue of guidelines and instructions relating to School Safety and monitor compliance by the State	Ministry of Human Resource Development (MHRD)	As and when required
<b>2. Monitoring School Safety</b>		
i. Monitor implementation of National School Safety Policy Guidelines	MHRD & NDMA;	Yearly

### 5.2 State Level:

Action	By Whom	When / frequency
<b>1. Strengthening Institutional Commitment to Safe Learning Environment for Children</b>		
i. Co-opt senior officials of the Department of Education at the state level as part of SDMA	SDMA	Immediate, one time
ii. Review and work closely with the Education Department at the state level to support the school safety efforts of the department.	SDMA / Department of Education	Half -Yearly
iii. Form a School Safety Advisory Committee at the state level to advise the Education Department on the subject.	SDMA / Department of Education	Immediate, one time
iv. Focus on educational infrastructure and supportive action thereof, within State Disaster Management Plans	SDMA	Yearly
v. Advise DDMA to constitute Advisory Committee on School Safety at the district level	SDMA	Immediate, one time

Action	By Whom	When / frequency
<b>2. Planning For Safety</b>		
i. Prepare district-wise inventory of schools to be made safer	SDMA / Department of Education	Immediate, one time
ii. Mainstream Disaster Risk Reduction related works under SSA / RMSA	State Project Director (SPD) - SSA/ RMSA	Yearly
iii. Ensure school safety concerns are included in the State Disaster Management Plans	SDMA / Department of Education	Yearly
iv. Review District Disaster Management Plans to make sure school safety is given due attention	SDMA	Yearly
<b>3. Implementation Of Safety Actions</b>		
i. Appoint a panel of technical agencies to advise schools on local adaptations in school design and national and state norms on school safety	Department of Education / SPD -SSA	Immediate, one time
<b>4. Capacity Building For School Safety</b>		
i. Develop Action plan with Health Department, SDRF / Red Cross for training for students and school staff, on different natural hazards relevant to the state / district, dos and don'ts of different disasters, first aid etc.	SDMA / State Education Officer (SEO) / SPD-SSA	Immediate, one time
ii. Develop child friendly IEC material in the vernacular medium for developing the understanding of children on various hazards and dos and don'ts of response	SDMA / Department of Education	Yearly
iii. Develop child friendly teaching material for teachers and students to engage them on school safety issues.	SCERT/ State Boards of Education	Yearly
iv. Conduct Training of Resource persons/ Teachers at the school level on school safety concepts and processes	SCERT / SDMA	Yearly
v. Conduct Training of Resource persons/ Teachers on psycho-social support for children affected by disasters	SCERT/ SDMA	Yearly
<b>5. Monitoring School Safety</b>		
i. Monitor Implementation of National School Safety Policy Guidelines at the state level	SDMA & Department of Education	Yearly

### 5.3 District Level:

Action	By Whom	When / frequency
<b>1. Strengthening institutional commitment to safe learning environment for children</b>		
i. Co-opt senior officials of the Department of Education at the district level as part of DDMA	District Collector / DDMA	Immediate, one time

Action	By Whom	When / frequency
ii. Ensure District Disaster Management Plans include a focus on educational infrastructure and supportive action thereof, within the district	District Collector / DDMA	Yearly
iii. Constitute a school safety advisory committee at the district level	District Collector / DDMA	Immediate, one time
iv. Establish a mechanism for monitoring safety parameters in all schools on a regular basis. Any existing monitoring formats being used by the authorities shall essentially include parameters on school safety.	District Education Officer (DEO)	Immediate, one time
<b>2. Planning for safety</b>		
i. Ensure school safety concerns are included in the DDMP	DDMA	Yearly
ii. Prepare design of child friendly spaces for emergencies in advance	DDMA	Yearly
iii. Ensure all new schools include safety features	DEO	Immediate, one time
iv. Prepare block-wise inventory of schools to be made safer (including physical condition of schools assessed through rapid visual screening or any other methodology for all hazards relevant to the area, hazardous industries in the vicinity etc)	DDMA	Immediate, one time
<b>3. Implementation of safety actions</b>		
i. Appoint technical agencies to advise schools on local adaptations in school design based on local conditions, in line with national and state norms on school safety	DEO	Immediate, one time
ii. Ensure that all existing as well as new schools conform to safety standards as per the National Building Code. In addition, any other norms prescribed by the state government need to be adhered to.	DDMA	Immediate, on-going
iii. Issue 'Recognition Certificate' under sub-rule (4) 15 of Right of Children to Free and Compulsory Education Rules, 2010 to only those schools that comply with safety norms prescribed by the state.	DEO	Immediate, on-going
iv. Review progress on non-structural safety measures in schools	DEO	Immediate, on-going
<b>4. Capacity building for school safety</b>		
i. Training of all teachers / designates of the school	DDMA/DIET	Quarterly
ii. DIETs should also directly train teachers on safety aspects as part of their pre-service and in-service training programmes.	DEO / DIET	Quarterly

Action	By Whom	When / frequency
iii. Train school safety focal point teachers on school safety concept and various activities related to execution of their responsibilities as the school safety focal point teachers.	DDMA/DIET	Quarterly
iv. Training of teachers on psycho-social support for children affected by disasters	DDMA/DIET	Half yearly
v. Capacity building of SMC on different aspects of school safety in case of an imminent disaster, e.g. Sanitation and hygiene needs of boys, girls and teachers; first aid; handling fires, handling chemicals/hazardous materials in Labs etc.	DDMA/DIET	Quarterly
<b>5. Monitoring school safety</b>		
i. Evolve a mechanism for monitoring safety parameters in all schools on a regular basis. Any existing monitoring formats being used by the authorities shall essentially include parameters on school safety.	DEO	Quarterly
ii. Issue instructions to Block Education Officer or any other official as appropriate, for overseeing and facilitating school safety at the block level.	DEO / Department of Education	Immediate, one time

#### 5.4 School Level:

Action	By Whom	When / frequency
<b>1. Strengthening institutional commitment to safe learning environment for children</b>		
i. Mobilize local community and the school to effectively participate in school safety actions through meetings, rallies etc. and to ensure dedicated planning and action.	SMC	Ongoing/ as and when required
ii. Designate a school safety focal point teacher (FPT) to operationally anchor safety related actions at the school level as part of his / her routine commitments in the school.	Principal / Headmaster	Immediate, one time
iii. Identify and develop a cadre of peer educators / trainers for ensuring that safety messages, dos and don'ts of different disasters, procedures and protocols reach each and every student in the school.	School safety Focal Point Teachers	Yearly
iv. Establish inclusive mechanisms to address issues in relation to school expansion and development, fire drills, power outage, early dismissals for weather events, health and safety concerns, trespassers or road/bus accidents.	SMC/PRI	Immediate, one time

Action	By Whom	When / frequency
<b>2. Planning for safety</b>		
i. Conduct a detailed assessment of needs from a safety perspective for inclusion in the School Development Plan.	Focal Point Teachers / SMC	Yearly
ii. Ensure participation of children, SMC, PRIs / ULBs and any other relevant stakeholders in the assessment of needs exercise	Principal /Focal Point Teachers / SMC	Yearly
iii. Ensure inclusion of School safety aspects (structural and non-structural) in the School Development Plan	Principal /Focal Point Teachers / SMC	Yearly
iv. Regularly monitor risk and update plan	Principal /focal point teachers / SMC	Yearly
v. Develop an Emergency Response Plan for the school (including evacuation procedures, handling of chemicals in the laboratory, stock-piling of emergency equipment and materials etc.)	Principal /focal point teachers / SMC	Yearly
<b>3. Implementation of safety actions</b>		
i. Review and immediately take up activities that the school can undertake on its own viz. non-structural mitigation e.g. Clearing evacuation routes, addressing loose objects etc.	Principal /focal point teachers / SMC	Quarterly
ii. Share components of the school development plan that can be included in the panchayat plans and follow up with the relevant departments along with the PRIS / ULBs	Principal /focal point teachers / SMC	Yearly
iii. Amend the time table and school calendar to build in opportunities for reinforcing safety awareness among children, mock drills etc.	Principal /focal point teachers / SMC	Quarterly
<b>4. Capacity building for school safety</b>		
i. Identify training needs of students and teachers with regard to school safety	Principal /focal point teachers	Yearly
ii. Awareness programmes for children on local hazards and risk reduction for example through street plays, rallies, drawing competition, quiz competitions, slogan writing	Principal /focal point teachers	Weekly
iii. Regular mock drills and follow up of lessons on school safety; practical demonstration on the use of safety equipment, etc. including designation of School Safety Day /DRR Day annually	Principal /focal point teachers	Monthly
iv. Training of SMC on assessment of safety needs, developing plans as well as safety audit	Focal point teachers	Quarterly

Action	By Whom	When / frequency
v. Training of peer educators on dos and don'ts of disasters, mock drills etc	Focal point teachers	
<b>4. Monitoring school safety</b>		
i. Conduct Safety Audits in school including fire safety and food safety (mid day meals in rural schools and clearance by fire authorities)	SMC	Quarterly
ii. Review School Development Plans to identify unaddressed hazards and additional new hazards that emerge	SMC	Quarterly

# Section 6

## Annexures

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# Annexures

## Annexure – 1

### Snapshot on the number of deaths and damage to school infrastructure in Disaster – Global and National

*There have been several instances of children losing their lives or suffering serious injuries due to various natural disasters. In 2008 Haiti earthquake, half of the schools in the country was destroyed (Reliefweb 2008). The Sichuan Earthquake in 2008 caused collapse of over 7,000 school buildings (Reliefweb, 2008). The 2005 Kashmir earthquake resulted in collapse of over 8000 schools on both sides of the border; altogether over 18000 children lost their lives while at school (BBC 2005).*

*A fire led to the death of about 200 children at the prize giving ceremony at a school in Dabwali, Haryana in 1995; a total of 31 teachers died and 95 were injured. During the 2001 Gujarat Earthquake over 11,600 schools were destroyed/ damaged; 971 students perished and 1,051 were injured. (World Bank 2001). Similarly the fire at Lord Krishna School in Kumbakonam, Tamilnadu caused death of 94 children and thousands of students and teachers were impacted in South India in the aftermath of the 2004 Tsunami.*

*Cause for such state of affairs has largely been **poor quality of construction, lack of disaster resilient features and poor maintenance of schools**. The fact remains that schools are indeed spaces where children and teachers spend a large part of their day. Therefore the quality of these spaces has a bearing on their vulnerability to disaster risk.*

## Annexure – 2

### Efforts on School Safety in India

The agenda of School Safety, as is visible in India today is preceded by the efforts of different governments in the country to promote the constitutional mandate of providing access to free and compulsory education for all children up to the age of 14 years. This was followed up in the National Policy of Education (NPE) and the Programme of Action (POA) 1992 that led to a number of schemes and programmes including Operation Blackboard (OB); Non Formal Education (NFE); Teacher Education (TE); Mahila Samakhya (MS); State specific Basic Education Projects like the Andhra Pradesh Primary Education Project (APPEP), District Primary Education Programme (DPEP) and currently the Sarva Shiksha Abhiyan (SSA). The mandate of SSA goes beyond provision of education alone per se; rather it aims to provide 'useful' and 'quality' elementary education to all children in the 6 -14 age group. About 33% funds of SSA are spent on civil works including construction of schools, additional classrooms and Block Resource Centres / Urban Resource Centres / Cluster Resource Centres. These are designed in line with the Whole School Development Plan that includes a focus on safety. For children over the age of 14, the Rashtriya Madhyamik Shiksha Abhiyan has been launched.

Disaster Management was introduced as a subject in the Central Board school curriculum, as well as several State Education Boards. A Handbook on School Safety was developed by the Ministry of Home Affairs in 2004.

The GoI- UNDP Disaster Risk Management Programme (DRM) launched in 2002 was one of the largest community-based disaster risk management programmes in Asia. In order to generate awareness among students and teachers on how to respond to disasters, a component on School Safety was developed under the DRM Programme. The prime objective of this initiative was "school safety through education and building safer schools". It brought together children, teachers and school managers through participatory activities that concern children's safety during disasters. Under this component, School level disaster management plans were developed and capacity enhancement programmes including mock-drills were conducted for School Community. Extensive disaster management trainings were conducted for teachers, school managers and education department officials from Central and State Boards of Secondary Education. In total, 125,817 teachers were trained on Disaster Management at the district level. The Programme reached out to 4105 schools with 130,000 enrolled children. (Source: UNDP, 2007).

In parallel, the work of the UN bodies, several NGOs and INGOs have provided many useful lessons in developing the substantive aspects of the agenda.

The school safety agenda has thus evolved over the years. What initially was seen as a simple provision of (child friendly) classrooms to protect children from the elements so that their education progresses uninterrupted, expanded to look at structural safety, non-structural mitigation as well as capacity building of the larger school community for promoting safety.

#### **Extracts from a communication from Ministry of Finance regarding Revision of EFC Format to address disaster management concerns in all the programmes and schemes of the government.**

As per a communication from Ministry of Finance to all Ministries and Departments (ref no. 37(4) / PFII/ 2003) of 19th June 2009, the Expenditure and Finance Committee (EFC) Note for approval of all ongoing and new programmes and schemes need to answer the following questions:

" 3F) Does the project involve any creation/modification of structural/ engineering assets including land reclamation or changes to existing land use plans? If yes, then the costs involved in prevention and mitigation of disaster(s) (natural and man-made) would need to be included fully in the project cost.

- b) Identify the possible risks and analyze the likelihood and impact from earthquakes, floods, cyclones and landslides due to the location of the project sites as well as through secondary evidence.
- c) What are the land-use directives, regulations applicable? List preventive measures enshrined in regulations which are to be complied with and confirm compliance.
- d) Based on the prioritization of risks, the mitigation measures being contemplated, both structural and non-structural. Confirmation that the implementation of the selected mitigation measures will not create new risks.
- e) Confirmation that the design and engineering of the structure has taken into consideration the National Building Code 2005, the appropriate BIS Codes and the NDMA guidelines. Other sources such as Indian Road Congress Manual, Ministry of Road Transport, Highways and Shipping manual, Railway Board manual, Central Public Health Engineering Organisation (Min. of Urban Development) manual, Central Electricity Authority manual and Central Water Commission manual etc. may also be consulted where applicable.
- f) Has the cost of disaster treatment/mitigation measures been included in the overall project cost?**
- g) Also indicate that the whole process of risk assessment has been done based on available information and secondary evidence and the mitigation measure(s) are in conformity with the statutory and other regulatory requirements and are the most viable ones in the present circumstances."

There has been a major **revision in the requirements of the Expenditure and Finance Committee (EFC)** of Ministry of Finance, Government of India for approval of ongoing and new programmes and schemes of all the Ministries. Since 2009, the EFC note to be submitted by all ministries includes a well defined set of questions with regard to disaster management.

The **SSA Framework for Implementation** has been revised in light of the RTE Act and a dedicated chapter on School Infrastructure has been provided. The chapter clearly brings out the need and importance of Disaster Resistance in Schools and also gives norms and codes to be referred.

Further, Kendriya Vidyalaya Sangathan Institutions have specified the space norms and appropriate sizes for school classrooms etc. in Kendriya Vidyalaya schools that are administered by the Sangathan.

**Rashtriya Madhyamik Shiksha Abhiyan (RMSA)** guides the expansion strategy for Secondary Schools & Higher Secondary Schools. To provide access to secondary school for students, RMSA proposes up-gradation of upper primary schools through construction of classrooms laboratories, computer rooms, headmaster room, library rooms, separate toilets for girls and boys, appointment of additional teachers and strengthening of existing secondary schools. This scheme identifies Environment Management as an important aspect for improving quality and improving access of secondary education. It makes a reference to location/site selection related issues, and issues related to design pertaining to the difficult sites. RMSA also makes a reference to special purpose designs, construction related impacts, and issues related to provision and maintenance of facilities.

**Kasturba Gandhi Balika Vidyalayas (KGBV) scheme** was launched by the Government of India in August, 2004 for setting up residential schools at upper primary level for girls belonging predominantly to the SC, ST, OBC and minorities in difficult areas. Initially it ran as a separate scheme, but was merged with the SSA with effect from 1st April, 2007. With the RTE Act, 2009 coming into force with effect from 1st April 2010, and the SSA Framework of Implementation being revised to correspond to the RTE Act, the KGBV component of SSA is being implemented

in the overall context of child rights and child entitlements and in harmony with the spirit and stipulations of the Act.

**National Building Code of India (NBC)**, published by Bureau of Indian Standards in 2005 serves as a Model Code for adoption by all agencies involved in school construction works. The Code attributes an 'importance factor' to ascertain the structural design of different types of building, depending on the functional use of the structure, characterised by hazardous consequences of its failure, its post-earthquake functional need, historic value, or economic importance. In section 5.3.4, the Code attributes **Importance Factor of 1.5** to Schools, higher than all other buildings indicating the importance of schools.

**Hon'ble Supreme Court of India** has also come out with its judgment in support of school safety, and insisted on adherence to NBC standards in school building specifications and construction. In its judgment of April 13, 2009 on Writ Petition (Civil) no. 483 of 2004, the court has recognized that "Right to education incorporates the provision of safer schools" and given direction on several aspects of school safety including :

- a) Fire Safety Measures in Schools (Point 3.1 page 23)
- b) Training of School Teachers and other Staff (Point 3.2 page 25)
- c) School Building Specifications (Point 3.3 page 27)
- d) Clearances & Certificates (Point 3.4 page 29)

In response to Writ Petition (Civil) no.483 of 2004<sup>4</sup> , the court held that "*Evaluation of structural aspect of the school may be carried out periodically...the concerned engineers and officials must strictly follow the National Building Code. The safety certificate be issued only after proper inspection. Dereliction in duty must attract immediate disciplinary action against the concerned officials.*"

In addition to policy interest in addressing structural aspects of safety, there have been changes in the school curriculum as well. The SSA, Central Board of Secondary Education (CBSE) and state boards have introduced disaster education in curriculum for school education.

The most recent initiative by the government was the **National School Safety Project** implemented by NDMA in 43 districts of 22 states of the country. The Programme, essentially pilot in nature, had the following components:

- i. Formulation of National School Safety Policy.
- ii. Capacity building (Development of model school DM plan, including format for Mock drill; Review and approval of School DM Plans in selected schools; development of training modules for training of state level master trainers, training of teachers and students)
- iii. Information, Education and Communication (Development of model templates for IEC material as well as Translation and printing of IEC material in local language and dissemination of IEC material in all the schools)
- iv. Non- Structural Mitigation Measures (Development of non-structural mitigation guidelines / checklist for Rapid Visual Survey and implementation of such measures in project schools)
- v. Demonstrative Retrofitting

### State Government Initiatives

**Government of Assam** has made it compulsory for all schools to have a Disaster Management Plan on the lines of a Model Disaster Management Plan uploaded on the official website of the Secondary Education Department. Amendments are also being made in the Assam Non-Government Educational Institutions (Management & Control) Act, 2006 to make it compulsory for all Non-Government Educational Institutions to adopt construction approved by GMC/GMDA

with appropriate design. There is also an amendment to make it compulsory to hold mock drills at regular intervals. Fire extinguishers are also being provided to every school in the state.

**Government of Gujarat**, initiated two programs namely Gujarat School Safety Initiative– I & II, for promoting a culture of disaster safety in schools and reduce risk through structural and non-structural measures in the schools. The programme focused on 152 schools in Phase I covering 1,00,000 students (primary and secondary standards) and 1,500 teachers on the basics of disaster management. As part of the long-term sustainability of the program, an assessment of non-structural mitigation measures was completed and school safety clubs have been opened in all the project schools. In Phase II, Gujarat State Disaster Management Authority is working towards creation of cadre of master trainers and a pool of trained teachers at district level in disaster risk reduction across all the 25 districts of the State.

**Government of Himachal Pradesh**, as part of the State Education Code 2013, has issued instructions to all schools in the state for preparation of their own disaster management plan, which captures school specific hazards, vulnerabilities, resources and plan for mitigation. Detailed guidelines have also been issued for conducting mock drills, development of School Safety Plans and School Fire Safety DM Plan. The state has also developed a range of audio-visual materials for raising awareness on safety issues among children. All of these activities have been carried out as part of the GoI – UNDP DRR programme 2009 - 2012. As part of another initiative retrofitting of few schools has also been carried out in the state.

**Government of NCT of Delhi**, in its circular No. F.16/Estate/CC/Fire Safety/2011/3298 to 3398 passed on 01/03/2011, issued directions to schools specifically with regard to fire safety. These include detailed directions for different types of buildings for access, number of doors in a class room, staircases, fire extinguishers, use of basement and captive water storage for Fire Fighting and pumping arrangements. In the General measures, directive is laid out on the use of non-combustible material for construction of the school building, maintenance of escape routes, storage of LPG cylinders in the laboratories and electrical circuits.

**Government of Tamil Nadu**, has issued G.O. Ms.No.131, Department of School Education, in continuance to G.O.Ms.No.1179, Public (law and orders) Department dated 20.7.2004. The order follows from the Commission of enquiry for the incident of death due to fire accident at Sri Krishna Aided Primary School at Kumbakonam, Thanjavur District on 16-07-2004. With regard to school safety, the Commission made specific recommendations. A thorough review of the recognition / approval granted to the existing schools has to be undertaken. With reference to those schools who have not obtained permission / approval / recognition, strict compliance with the micro level fulfillment of norms should be ensured by the Inspecting Officer concerned, through physical verification before recommending for permission / approval / recognition.

Periodical monitoring through spot inspection towards upkeep of the infrastructure has to be ensured. Crash Training course for the teacher on crisis management and first aid is recommended. The state has issued additional orders in 2012 suggesting measures to be followed for the safety of children studying in schools in all government / government aided and private schools in Tamil Nadu. These include structural safety measures, safety precautions with regard to open wells, water tanks, septic tanks and staircases etc. The order also talks of safe drinking water provision as well as safe sanitation facilities. In addition, safe electrical connections, seating arrangements, assembly class room environment and infrastructure, school vehicles and first aid have been covered.

**Govt. of Haryana: State Policy on Safety Measures in Schools:** The state has come out with a specific policy concerning safety measures in schools. Broadly the document very appropriately throws light on the various elements pertaining to school safety including constitution of respective committees, modes operandi for fund allocation, broad areas for education and training and implications of non-compliance.

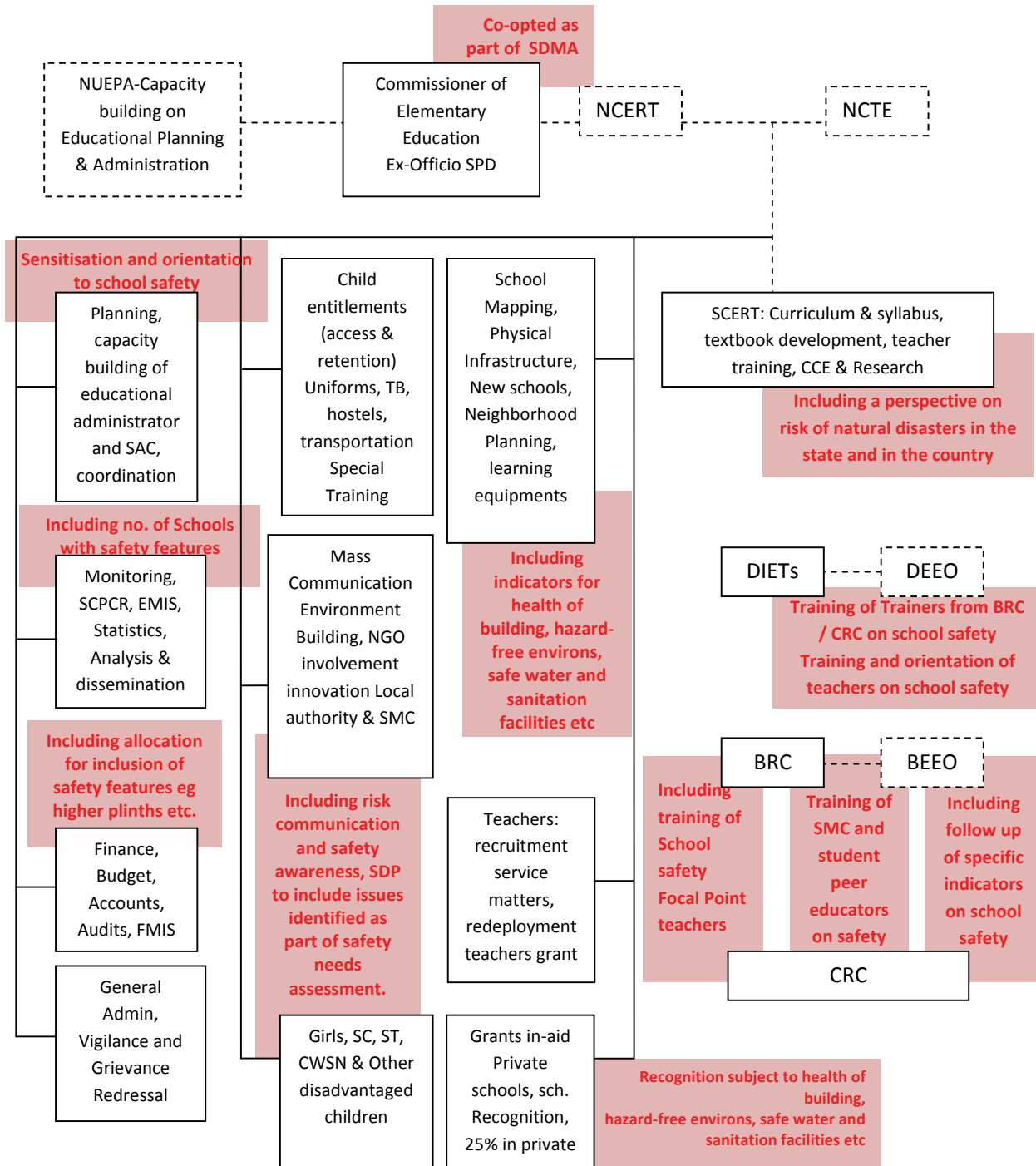
## Annexure – 3 : Trainings

A broad list of trainings required for promotion of school safety is as under:

S. No.	Training	Indicative Contents	Participants	Responsibility
1.	ToT of School Safety Focal Point Teacher (SFPT)	<ul style="list-style-type: none"> <li>◆ Hazards, Risks (with focus on children of various age groups) &amp; Vulnerability.</li> <li>◆ Safe learning environment and quality education under RTE</li> <li>◆ Structural &amp; non structural safety in schools.</li> <li>◆ Safety Needs Assessment</li> <li>◆ Integration of disaster preparedness measures in curricular and co-curricular activities</li> <li>◆ Mock Drills for various hazards</li> <li>◆ Psycho Social Support and counseling</li> </ul>	School Safety Focal Point Teachers (SFPT)	DDMA/ Block Education Officer
2.	Training of Principals and Headmasters	<ul style="list-style-type: none"> <li>◆ National DM ACT and Policy, institutional Framework</li> <li>◆ Safe learning environment and quality education under RTE</li> <li>◆ Planning and implementing school safety within your school</li> <li>◆ Integration of disaster preparedness measures in curricular and co-curricular activities</li> </ul>	Principals and Headmasters	DDMA/ Block Education Officer
3.	Training of School Management Committee	<ul style="list-style-type: none"> <li>◆ School safety concept,</li> <li>◆ Safety Needs Assessment</li> <li>◆ Functioning of School Management Committee and roles/ responsibilities,</li> <li>◆ Orientation on school safety planning</li> <li>◆ Safety audits at the school level</li> </ul>	SMC members	DDMA/ Block Education Officer
4.	Training of Peer Educators	<ul style="list-style-type: none"> <li>◆ Facilitating lifesaving skills in the class</li> <li>◆ Dos &amp; Don'ts of hazards relevant to their context eg. earthquake (Duck-Cover &amp; Hold), fire (Stop-Drop &amp; Roll), floods, cyclone road safety etc.</li> <li>◆ First-Aid skills</li> <li>◆ Water Quality Monitoring and disinfection</li> </ul>	Selected students from each class	SFPT with external Resource Persons if required
5.	Training on First Aid and Life-saving skills in School	<ul style="list-style-type: none"> <li>◆ First- Aid for common injuries, snake bite etc., CPR</li> <li>◆ Carrying wounded persons</li> <li>◆ Diarrhea management</li> <li>◆ Making rope ladders</li> </ul>	SMC, SFTP, peer educators	SDMA / NDRF, Red Cross, any other external Resource Persons if required

## Annexure – 4

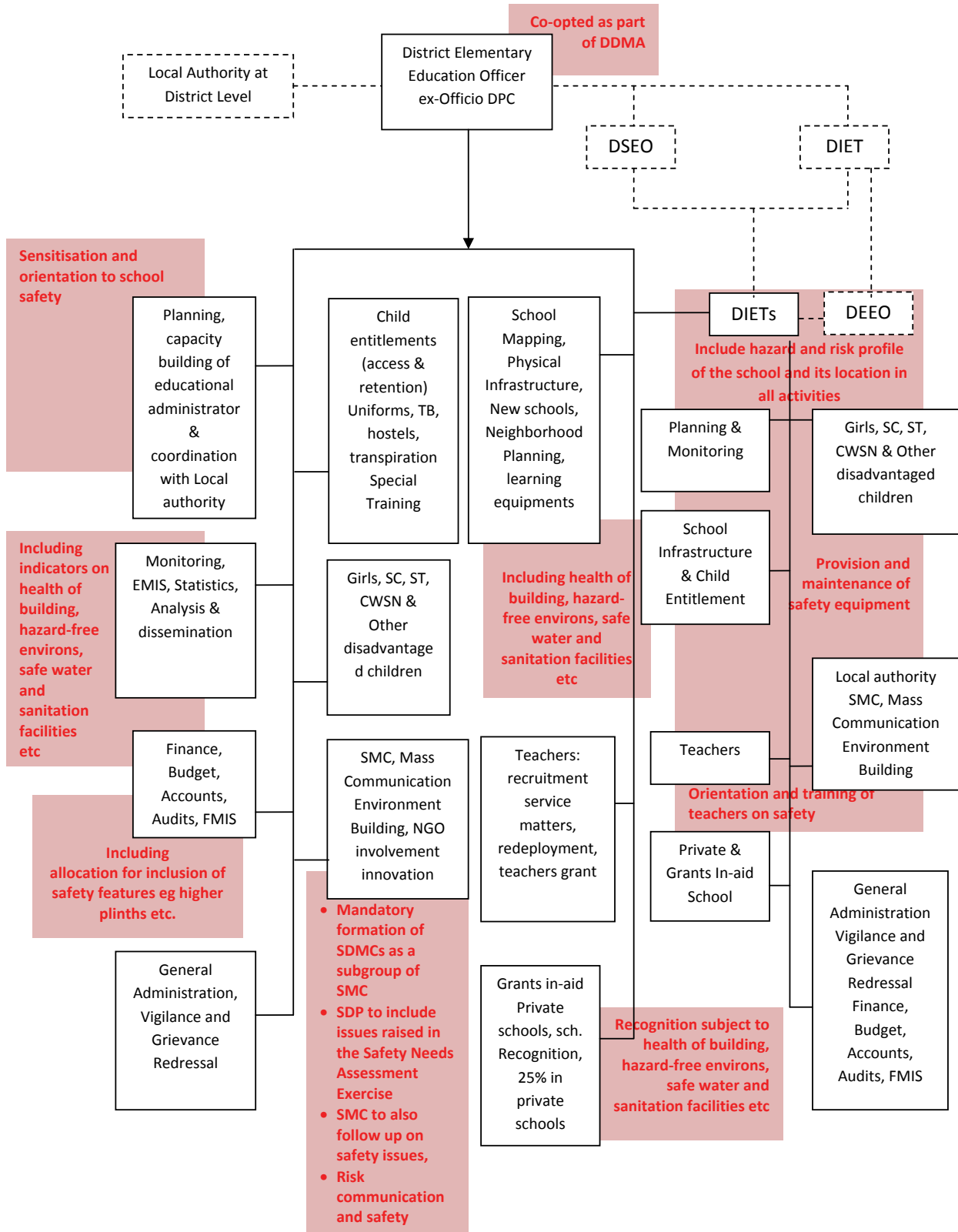
**State Level Integrated Structures for SSA and RTE through a Safety Lens**  
(Recommended suggestions for incorporating School Safety Concerns indicated in red)





## Annexure – 5

### District Level Integrated Structures for SSA and RTE through a Safety Lens (Recommended suggestions for incorporating School Safety Concerns indicated in red)



## Annexure – 6

The Hon'ble Supreme Court of India, Justice Dalveer Singh in response in response to Writ Petition (Civil) No.483 of 2004, Avinash Mehrotra vs Union of India has laid down the following minimum specifications for school buildings:

### **3.3. SCHOOL BUILDING SPECIFICATIONS:**

- i. The school buildings shall preferably be a 'A' Class construction with brick / stone masonry walls with RCC roofing. Where it is not possible to provide RCC roofing only non-combustible fireproof heat resistance materials should be used.
- ii. The nursery and elementary schools should be housed in single storied buildings and the maximum number of floors in school buildings shall be restricted to three including the ground floor.
- iii. The School building shall be free from inflammable and toxic materials, which if necessary, should be stored away from the school building.
- iv. The staircases, which act as exits or escape routes, shall adhere to provisions specified in the National Building Code of India 2005 to ensure quick evacuation of children.
- v. The orientation of the buildings shall be in such a way that proper air circulation and lighting is available with open space all round the building as far as possible.
- vi. Existing school buildings shall be provided with additional doors in the main entrances as well as the class rooms if required. The size of the main exit and classroom doors shall be enlarged if found inadequate.
- vii. School buildings have to be insured against fire and natural calamities with Group Insurance of school pupils.
- viii. Kitchen and other activities involving use of fire shall be carried out in a secure and safe location away from the main school building.
- ix. All schools shall have water storage tanks.

## Annexure – 7

### Process of Safety Needs Assessment through Hazard Hunt Exercise: Experience from Bihar

In collaboration with Government of Bihar, UNICEF and its partners NGOs have implemented a School safety initiative in eight districts of the state. Their experience has highlighted the potential of Hazard hunt as a tool for identifying safety needs of the school through a participatory methodology involving students, teachers, and SMC members. The exercise culminates with the articulation of a well-defined micro-plan that is then pursued with the PRIs for leveraging resources from various schemes besides SSA. The process followed for Hazard Hunt is given below:

- i. Orientation of School Disaster Management Committee members and Focal Point Teacher on definition of risk and vulnerabilities;
- ii. Discussion on the nature of risks that affect the physical wellbeing of children, and of the school community;
- iii. Discussion on the nature of risks that affect access to education by children;
- iv. Organization of the group into smaller groups for Hazard Hunt.
- v. Identification of risks and vulnerabilities inside and outside the school by separate groups;
- vi. Documentation of risks identified by smaller groups and presentation to the larger group including Focal point teacher;
- vii. Suggested format for documentation of Hazard Hunt exercise :

S. No.	List of Vulnerabilities that exist inside and outside the school	Risks involved	Probable Extent of Severity	Any past incident(s) relating to this risk, vulnerability

- vii. Prioritization of risks for action in the short and long term;
- ix. Development of Micro-plan to enlist solutions, sources of funding, responsibilities and timeline.

## Annexure – 8

### School DM Plan Model Template-National School Safety Programme (NSSP)

#### Section 1 : Introduction:

- a. School profile (*attached format in Annexure 8 (i)*)
- b. Aim and Objective of the plan
- c. Geographical location of the school.

#### Guidance Note:

- This section of the plan will provide information relating to the school as per details given in Annexure-I It should also mention the objective of the plan, the stakeholders who will be using the plan and members who would be responsible for implementing, reviewing and updating the plan.
- This section can also include a map of the school.

#### Section 2 : Hazard Risk and Vulnerability Assessment

- a. Non-structural assessment (*can be done practically by all teachers and select students in a group exercise*)
- b. Structural assessment (to be done by a Civil Engineer, Licensed Building Surveyor)
- c. Identification of hazards outside the school campus (Road Safety, Industrial Hazard, Chemical hazard, open drain flooding etc.)
- d. Database of past disasters/accidents which have affected the schools.
- e. Identification of vulnerable locations within the school campus
- f. Summary of the key findings and identifications of action for mitigation.

#### Guidance Note:

This section of the plan will focus on identifying the various vulnerable areas within the school building as well as the probable risks arising out of structural and non structural elements.

For identifying non-structural and structural weakness in the school building a committee may be constituted comprising members of School Administration (Including Physical Education Teacher), officer from nearest fire station/Civil defence post warden, Health Service Provider (doctor/nurse/health worker) from nearest health centre/hospital/nursing home, officer from the nearest police station, engineers from PWD, SSA, Municipal Corporation. Zilla Parishad who may help in identifying the structural and non-structural weaknesses in the building. Likewise this committee can also identify hazard outside the school campus particularly the hazard related to road/traffic outside the school building, industrial (Chemical Hazard) which may be due to location of such an industry in vicinity of the school.

This *Hazard hunt* activity will help in identifying some of the obvious risks like improper location of electricity panel in the school, open electricity panels, live wire if any, improper placing of cupboards and furniture, obstruction in the escape route or object that can fall during the Earthquake such as glass panel, flowerpot etc.

This section of the plan can also document or provide details of any past disaster that had affected the school or in the vicinity of the school.

### Section 3 : Preparedness

This section of the plan should include the following:

- a. **Constitution of school DM Committee Composition of the Core Team and its roles and responsibilities during different phases.**
- b. **Constitution of sub team and** identification of roles and responsibilities of each of the sub teams/task force, before, during and after disaster. The school may comprise of the following teams/task forces.
  - i. *Awareness Generation, Warning and information dissemination team.*
  - ii. *Evacuation team.*
  - iii. *Search and rescue team (only teachers to be member of this team)*
  - iv. *Fire safety team*
  - v. *First aid team.*
  - vi. *Bus safety team (for each bus) - wherever applicable.*
  - vii. *Site security team.*

#### Guidance Note:

This section of the plan will focus on Preparedness. Higher Level of preparedness for disaster helps to minimise the loss of life and prevention of injuries caused particularly during earthquakes for which there is no warning. However certain other hazards like flood, cyclone etc. do have early warning system thereby giving some time for taking response. Children being the future of tomorrow should be ensured a safe learning environment and prepared well to respond effectively during disasters. To put this into practice it is recommended that every school constitutes a School Level Disaster Management Committee along with sub committees to ensure better preparedness and response in disasters. The various committees constituted in a school will comprise of members from among teachers, non teaching staff as well students. However for certain committee like search and rescue students are not recommended. The recommended structure for a School Disaster Management Committee is as follows:

1. Chairperson: Principal
2. Vice Principal, Heads of primary and middle sections
3. Education Officer/Deputy Education Officer for the zone
4. Parent Teacher Association President
5. 4 Students (NCC, NSS, Scouts and Guides, Head Boy and Head Girl)
6. Representative of Relief/ Revenue/ Disaster Management Department/ District Administration/ Municipal Corporation
7. Representative of the Fire Services (from Closest Fire Station) or Civil defence personnel.
8. Representative of Police (from Closest Police Station)
9. Representative of Health Department (Local Doctor)
10. A Warden from Civil Defence

The sub committees mentioned below will work under overall supervision of school DM Committee (SDMC). Following sub committees can be constituted

- Awareness generation and warning and information dissemination team.
- Evacuation team.
- Search and rescue team (only teachers to be member of this team)
- Fire safety team
- First aid team
- Bus safety team (for each bus)
- Site security team

For First Aid and Site Security team the representative of nearest Police Station, Hospital/ health services and fire station may be identified. The roles and responsibilities of these committees during disaster as well as peace time need to be defined clearly.

**c. Resource inventory**

- i. Listing of resources available inside the school campus: which could be used during any disaster situation for effective response.
- ii. Identification and listing of resources outside the school within vicinity of one-five kilometres
  - a. Nearest hospitals Health Centre for emergency treatment.
  - b. Police Station
  - c. Fire Station
- iii. **Updation of important telephone numbers in Principal's room**
- iv. **Critical health problem record** of each child to be maintained by school and also displayed on his I-Card with blood group along with **Updated contact details** of parents/ Guardian and alternate contact persons.
- v. **Disaster preparedness check-list.** (Attached in Annexure 8 (ii))

**d. Mechanism for alerting students and teachers during school time including installation of alarm.**

**e. School Map with evacuation plan in place (Attached in Annexure 8 (iii)).**

**f. Annual calendar for conducting various preparedness activities** along with plan to implement it. This will include the list of various awareness generation programmes to be conducted by the school annually.

**g. Action plan for conducting Mock drills** and development of a checklist to identify the gaps

**h. Steps for Updation of DM plan** - indicating the time line and the process of doing it along with the roles of teachers and other non teaching staff.

**Guiding notes for Resource inventory:**

As part of preparedness exercise, each school must develop a School DM kit. It is suggested that a network is established by the school management with the nearest hospital/ health centre/ health worker for help in case of emergency. The suggestive list of items which could be procured for school DM kit have been listed below. However, it is suggested that each school must have provision for other external resources (grants given by the State Government like MPLADs/ MLALADs etc.) to strengthen this resource list further.

- i. Stretcher
  - ii. Ladders
  - iii. Thick rope
  - iv. Torch
  - v. First-aid box
  - vi. Temporary shelter (tents and tarpaulins)
  - vii. Sand buckets
  - viii. Fire Extinguishers
- } Provision of School DM kit.

**School map with evacuation plan:**

It is recommended to prepare a floor wise evacuation plan and display it prominently at the notice board on each of the floors. The evacuation plan may be discussed by the evacuation team with the teachers and students to generate awareness to help conduct mock drill. (A sample Evacuation Map is attached for reference as Annexure 8 (iii))

**Guiding note for Mock drill**

Mock drills are the ways of rehearsing the preparedness plan. It is one of the last steps in preparedness. The mock drill on earthquake, fire etc. may conducted at periodic interval preferably once in every

six months and the deficiencies may be assessed for updation of the plan. This section of the plan should clearly indicate the steps to be followed to conduct the mockdrills and the responsibilities of the teachers, non teaching staff and students. If required school should invite the Fire Service Officers and trained Civil Defence volunteers for support. The steps to be followed for earthquake drill are mentioned below.

**Earthquake drill:**

- i. Practice drop, cover and hold.
- ii. Evacuate classroom in less than 1 minute without pushing and falling.
- iii. Evacuate school in less than 4 minutes.
- iv. Lookout for friends.
- v. Stay away from weak areas/ structures.
- vi. Help those who need assistance (*identification of task force in advance for rescue of special children*).

**Fire/ Chemical Accident/ Drill:**

- i. Evacuation from classroom
- ii. Ensure safe storage of inflammable liquids/ chemicals
- iii. Put off electricity and remove or close down gas connections.

**i. Capacity building and training:**

Capacity Building and training of students and teachers is an important step to ensure safety of school going community in a disaster situation. Every year appropriate number of teachers and students may be trained in various skills of disaster management.

Action plan for training of teachers, non teaching staff and students on DM including all the task forces constituted and also organising refresher courses. This can also include documentation of details of trained teachers and students.

**j. Awareness generation and sensitization:**

Awareness generation/ sensitization is a part of preparedness measures aiming at sensitising and educating all the stakeholders including students, teachers and officials/ parents on issues relating to school safety. It is suggested that an annual calendar of events may be prepared including various activities involving students/ teachers, etc. where experts from outside may also be invited for giving their opinion on school safety issues.

Some of the measures which could be undertaken by the school management for creating awareness are as follows:

- a. Through poster, audio-visual clips, organizing debate, quiz, sports activities, drawing competition, rally in schools.
- b. Display of important information on school notice board including school evacuation plan and weather news information.
- c. Conducting seminars and lectures on making the learning environment safer and involvement of Parents in such seminars.
- d. Observing a month of safety in the year calendar of school as *Preparedness month*.

**Section 4 : Response:**

- a. Hazards specific response plan including Crowd Management to avoid stampede on special days like annual functions, sports day etc.

- b. Alternate arrangement for continuation of school education. (Delivery of education during and post disaster situation particularly in cases where the school will be used as relief shelters).
- c. Reporting of Emergencies/ Disasters to the Government
- d. Special provision for specially abled children.

**Guidance Note:**

This section of the plan should be very precise, crisp indicating the various roles and responsibilities of teachers, non teaching staff and students during disaster situation. The plan should clearly mention the steps to be followed in case of an earthquake, fire, flooding, cyclone or such emergent situation like stampede or health problems faced by any student. The plan should include all the steps to be taken up by the school management to ensure safety of the child including their safe evacuation from the affected site till the child is handed over to the parents. It will also include all other steps to be taken up by the management to ensure supply of essential services in the school like power, water and food and basic first aid during a disaster and immediately after it.

**Section 5 : Mitigation measures**

- a. **Listing of various Non-structural measures to be undertaken in the school along with timeline.**
  - i. Ensuring clear passages, stairways which are to be used as evacuation routes.
  - ii. Chemistry labs-the bottles used for storing the chemicals are secured and protected against shattering.
  - iii. Fixating of *Almirahs* to the walls of staff rooms.
  - iv. Securing fans and light from ceiling.
  - v. Fire safety measures
  
- b. **Safety audit**
  - i. Electric safety audit-checking of the electrical system by an electrician.
  - ii. Fire safety audit-checking for possible sources of fire and identifying inflammable items within the school
  - iii. Inspection of quality of food getting served during mid-day meal.
  - iv. Audit of purity of water supply in school.
  - v. Inspection of the hygienic conditions in kitchen and washrooms.

**Guidance Note:**

This section of the plan will focus on various mitigation measures to be undertaken by the school. Mitigation Planning is a long term exercise and hence it is essential to divide the strategy prioritizing the actions along with definite timeline. It is also necessary to prioritise the actions based on the nature of the threat and its potential to cause injuries and loss of life. Some of the non structural mitigation measure like anchorage of almirahs, clearance of the exit routes, relocation of the storage of laboratory items, installation of warning alarms could be done immediately by incurring minimal costs, some other mitigation measures like major structural repair work will require more time and fund commitments.

As a part of mitigation action, school should also undertake periodic fire and electrical safety checks by involving officials from Electricity Department/ board, Fire Services, PWD etc. Other measures like testing of purity of drinking water and hygienic conditions in the school should also be undertaken.



## (Annexure – 8 i)

### Details of School Profile

1. Name of School and code number provided by Department of Education :
2. Postal address with pin code :
3. Contact number :
4. Number of teachers : Male \_\_\_\_\_ Female \_\_\_\_\_
5. Number of Students : Male \_\_\_\_\_ Female \_\_\_\_\_
6. Number of differently-abled students : Male \_\_\_\_\_ Female \_\_\_\_\_
7. Specify the type of disability :
8. Date of Construction of School building :
9. Number of Buildings in the school compound :
10. Number of classrooms :
  - Number of Chemistry laboratories
  - Number of Physics laboratories
  - Number of Biology laboratories
11. Number of floors :
12. Number of staircases :
13. Do you have a kitchen ? Yes/No -----  
- if yes do you have Gas stove or open fire kitchen or use cooking gas connection:
14. Do you have toilets separate for : Boys- Yes/No      Girls- Yes/No
15. Number of drinking water points :
16. Playground size and open area :
17. Fire extinguisher installed :
  - If yes number of fire extinguishers :
  - Date when last checked :
18. Number of Sand Buckets installed :
19. Evacuation drill organized - Yes/No :  
If yes last date when drill was conducted and number of students who participated :

**(Signature of Principal)**

**(Annexure – 8 ii)**

**Emergency Mangement Plan Checklist**

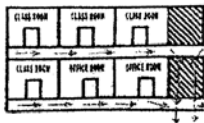
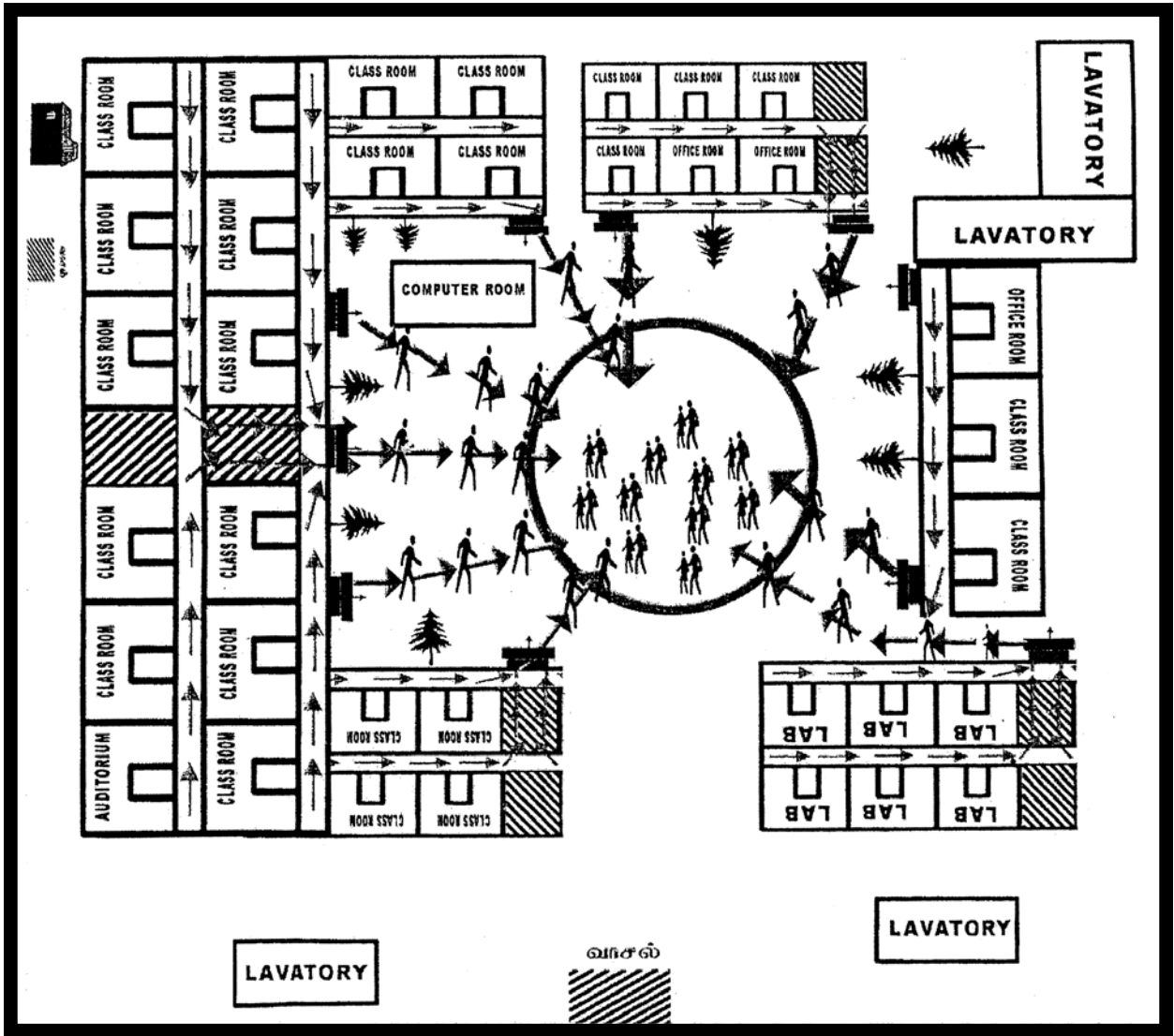
**Name of School & Location .....**

**Date .....**

**YES**

1. Have the emergency numbers been confirmed with the concerned departments ?
2. Are the emergency contact numbers prominently displayed in the principal room ?
3. Does the plan clearly specify procedures for reporting emergencies to the government services and the relevant education authority ?
4. Are the potential risks within and up to a kilometre from the workplace identified ?
5. Does the plan clearly mention about the evacuation plan ?
6. Are the roles and responsibilities of key personnel's clearly defined - task force team leaders, class teachers, office staff and students ?
7. Are the staff responsibilities to account for and supervise students during and following the emergency clearly described ?
8. Does the plan give emphasis on the more vulnerable children below class v ?
9. Does the plan address the students with special physical, mental and medical needs ?
10. Does the plan describe about how the DM team will be trained ?
11. Does plan provide the calendar for mock drill to be conducted ?
12. Has the plan been endorsed by local police and fire brigade ?

Sample School Evacuation Plan



CLASS ROOM

LAVATORY

LAVATORY



KITCHEN

# Significant Contributors

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1. Smt. Neelkamal Darbari (IAS), Former Joint Secretary (Capacity building & Training & Administration), NDMA
2. Shri S. P. Vasudeva, Former Project Director, National Cyclone Risk Mitigation Project, NDMA
3. Shri Sarbjit Singh Sahota, Disaster Risk Reduction Specialist, UNICEF India.
4. Shri Virendra Singh, Deputy Secretary, Ministry of Human Resource Development
5. Col Ranbir Singh, Joint Advisor (CBT), NDMA
6. Smt. Nagma Firdaus, Senior Consultant – CBDM, NDMA
7. Smt. Mona Anand, Independent Consultant
8. Shri Amal Sarkar, Under Secretary (CBT), NDMA

## Core Group (July 2012 - March 2013)

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1.	Dr. Muzaffar Ahmad, Member, NDMA	Chairman
2.	Secretary, Ministry of Human Resource Development or her representative	Member
3.	Joint Secretary (Disaster Management), Ministry of Home Affairs	Member
4.	Shri V.K. Pipersenia, Principal Secretary, Revenue and DM Department, Government of Assam	Member
5.	Shri V. Thiruppugazh, Addl Chief Executive Officer, Gujarat State Disaster Management Authority	Member
6.	Ms Sujata Saunik, Joint Secretary (Policy & Plan), NDMA	Member
7.	Shri K.S. Ganger, Addl Secretary, Delhi Disaster Management Authority, Delhi	Member
8.	Dr. Satendra, Executive Director, National Institute of Disaster Management	Member
9.	Ms Margrita Tileva, Chief Emergency, Unicef India	Member
10.	Shri G. Padmanabhan, Emergency Specialist, UNDP India	Member
11.	Dr. Mohan Sajnani, Director (Retired), Government of India	Member
12.	Shri R.K. Singh, Joint Advisor (PP), NDMA	Member
13.	Shri Shatrughan Lal, Consultant Planning Commission	Member
14.	Prof. Santosh Kumar, NIDM	Member
15.	Shri Hari Kumar, Geo Hazards India	Member



# Contact Us

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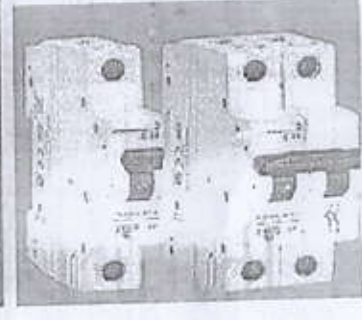






# શાળાઓમાં આગ સામે સલામતી

## માટેની માર્ગદર્શિકા



સંકલન



ગુજરાત રાજ્ય આપત્તિ વ્યવસ્થાપન સત્તામંડળ

બ્લોક નં. ૧૧, ૫ મો માળ, ઉદ્યોગ ભવન, ગાંધીનગર-૩૮૨ ૦૧૧

ટેલિફોન નં. ૦૭૯-૨૩૨૫૦૨૨૦

Website: <http://www.gsdma.org>

## પૂર્વ ભૂમિકા

શિબિર અમે જીવનના હકકનું રક્ષણ કરતી વખતે, એટલું તો ચોકસાઈ કરવું જ જોઈએ કે શાળાઓમાં વિદ્યાર્થીઓના જીવનની સુરક્ષા માટે સલામતીના ઓછામાં ઓછા પગલાંઓ લેવામાં આવ્યા છે કે નહીં. દેશભરમાં આગના બનાવોના કારણે બાળકોના જીવનની સુરક્ષા સામે ગંભીર ખતરો ઉભો થવા પામ્યો છે. ભારતની સર્વાધિક્ષ અદાલતે એપ્રિલ ૧૩, ૨૦૦૯ ના રોજ એક પીટીશનના પ્રત્યુત્તરમાં એવો નિર્દેશ આપ્યો છે કે દેશભરમાં ચાલતી શાળાઓએ સુરક્ષાના નિયમોનું ચૂસ્તપણે પાલન કરવું જ પડશે.

## હેતુ :

ગુજરાતમાંની શાળાઓમાં આગ સામે સલામતી અંગેની જાગૃતિ કેળવવાના હેતુથી ગુજરાત રાજ્ય આયત્તિ વ્યવસ્થાગન સત્તામંડળ દ્વારા "શાળાઓમાં આગ સામે સલામતી માટેની માર્ગદર્શિકા" નામની એક પુસ્તિકા તૈયાર કરવામાં આવી છે. દરેક શાળા પોતે તથા તેના વિદ્યાર્થીઓ માટે આગ સામેની સલામતી તથા તેની જાળવણી માટે સંપૂર્ણ રીતે જવાબદાર છે. તે જ પ્રમાણે, દરેક વિદ્યાર્થી પણ તેની શાળામાં સલામતીના નિયમોનું અનુપાલન તથા આગ સામે સલામતીના સાધનોનો ઉપયોગ કરવા માટે જવાબદાર છે. આ માર્ગદર્શિકા એ હેતુથી તૈયાર કરવામાં આવી છે કે, તે દ્વારા શાળામાં તથા વિદ્યાર્થીઓમાં શાળામાં આગ સામે સલામતીની જાગૃતિ લાવી શકાય.

## આગ સામે સલામતીના સાવચેતીના પગલાં

આગ સામે બચાવ તથા સલામતીનો શ્રેષ્ઠ ઉપાય એ છે કે, તેના પ્રારંભથી જ તેને અટકાવી દેવી. દરેક વ્યક્તિ આગને વધતી અટકાવવા માટે તથા આગ સમયે ઉભી થતી કટોકટીનું કેવી રીતે સંચાલન કરવું તે માટે પણ જવાબદાર છે.

### ૧) અગ્નિ શામક

અગ્નિ શામક એ ઝડપથી સળગી ઉઠે તેવા પદાર્થોના કારણે લાગતી આગને બૂઝાવવા / નિયંત્રણ કરવા માટે ઉપયોગમાં લેવાનું અગ્નિ શામક નામનું સાધન છે. આ અગ્નિ શામકનો ઉપયોગ તાલીમબદ્ધ કર્મચારીઓ દ્વારા કરાવો જોઈએ તથા તે આગ શરૂ થતાં જ ઉપયોગ કરવા માટેનું સાધન છે. અગ્નિ શામકનો પ્રકાર, સ્થળ, કદ અને સંખ્યા તેના કામ વિસ્તારમાં પ્રવર્તમાન વિશેષ આગ સંકટ ઉપર તેનો આધાર હોય છે. બધા જ અગ્નિ શામકો ક્યાં તો એ, બી, સી અથવા એ, બી તથા સી તરીકે વર્ગીકૃત કરવામાં આવે છે કે જેથી ખાતરીપૂર્વકનું યોગ્ય પ્રકારનું અગ્નિ શામક ખરીદી શકાય. તેની ઉપરનું લેબલ પણ કાળજીપૂર્વક વાંચી શકાય તથા તેને તે મુજબ ઓળખી પણ શકાય. માત્ર આઈએસઆઈ (ISI) માર્કના જ પ્રમાણિત બીઆઈએસ અગ્નિ શામકોની જ ભલામણ કરવામાં આવે છે.

૧. પોર્ટેબલ "એ" પ્રકારના (જળ-CO<sup>2</sup>) ISI ના માર્કવાળા અગ્નિ શામકો લાકડું, કાગળ, કપડું, પ્લાસ્ટીક જેવા પદાર્થોથી લાગતી "એ" વર્ગની આગ સામે સલામતી માટેના છે.

૨. ISI માર્કવાળું કાર્બન ડાયોક્સાઈડ (CO<sup>2</sup>) પ્રકારનું અગ્નિ શામક બધા જ પ્રકારના જલદીથી સળગી ઉઠે તેવા

વિવિધ હેતુવસ્તી આગ શામકો (એબીસી) પ્રકારના ઝડપથી સળગી ઉઠે તેવા પદાર્થોથી લાગતી આગનું સંચાલન / નિયંત્રણ કરી શકશે જેવાં કે ; ગેસ અને ગ્રીસીસ, તથા વિજળી શોટ સરકીટથી લાગતી આગ.

જળ / જળ - ગેસ ફાયર પ્રકારના આગ શામકો (એ) લાકડું અને / અથવા કાગળ, પ્લાસ્ટીક વગેરેથી લાગતી આગનું નિયંત્રણ કરી શકે છે.

કાર્બન ડાયોક્સાઈડ આગ શામકો (બીસી) ઝડપથી સળગી ઉઠે તેવા પ્રવાહી, ગેસ અથવા વિજળીથી લાગતી નાના પ્રકારની આગનું નિયંત્રણ કરી શકશે.

પ્રવાહી, ગેસ, મશીનરીની આગ, વિજળીક તથા વિજાણું સાધનોથી પ્રજ્વલિત થતી આગ, ટ્રાન્સફોર્મર તથા સ્વીચ ગીઅરની બી અને સી વર્ગની આગના નિયંત્રણ માટે યોગ્ય છે. શાળાઓમાંની લેબોરેટરી કેન્દ્રોના દરેક કોમ્પ્યુટર માટે એક ૪.૫ લીટરની ક્ષમતાવાળાં CO<sup>2</sup> પ્રકારના એક અગ્નિ શામકની ભલામણ પણ કરવામાં આવે છે.

૩. **ISI માર્કવાળું ડ્રાય કેમિકલ પાવડર (ડીસીપી) અગ્નિ શામક**, તેલ, પેટ્રોલ, પેટ્રોલિયમ પેદાશો, કોઈ પણ પદાર્થનો સંપૂર્ણ ક્ષય કરવાની શક્તિ ધરાવતું પ્રવાહી, રંગો, વારનીશ, રાસાયણિક, પ્રવાહી, જલદીથી પ્રજ્વલિત થતા પ્રવાહી, વિજળીક આગ, ગેસથી થતી આગ, વગેરેથી થતી બી અને સી વર્ગની આગના નિયંત્રણ માટે પણ ઉપયોગમાં લઈ શકાય છે. શાળામાં દરેક કેમેસ્ટ્રી / કેમિકલ લેબોરેટરી માટે ૫ લીટરની ક્ષમતાવાળા ડીસીપી પ્રકારના એક અગ્નિ શામકની ભલામણ કરવામાં આવે છે. જો ૫ કિલો વોટથી વધુ વિજળીનો વપરાશ હોય તો મુખ્ય વિજળી વિતરણ જંકશન માટે ૫ લીટરની ક્ષમતાવાળું ડીસીપી પ્રકારનું અગ્નિ શામક લગાડવાની પણ ભલામણ કરવામાં આવે છે.

## ૨) ઈલેક્ટ્રિક સ્વીચ ગીઅર સાધન / પદ્ધતિ

વિજળી તથા વિજળીક સાધનો દ્વારા ઈલેક્ટ્રિક આર્ક અથવા પુષ્કળ ગરમી ઉત્પન્ન થવાના કારણે પણ આગ લાગી શકે છે. તેનાથી થતા વિજળીક આંચકા તથા દાઝી જવાના કારણે વ્યક્તિ ઘાયલ થાય છે અથવા તેનું મૃત્યુ પણ થઈ શકે છે અથવા શાળામાં મોટી આગ પણ ભભૂકી ઉઠે છે. આ માટે માત્ર કામચલાઉ ધોરણે (૩-૪ દિવસથી પણ ઓછા દિવસો માટે) "વિસ્તરણ કોર્ડ્ઝ" નો અચૂક ઉપયોગ કરવો અત્યંત જરૂરી છે. તીરાડવાળા તૂટેલા પ્લગ તથા સ્વીચો અને / અથવા ક્ષતિયુક્ત વાયરીંગ તરત જ બદલવું જરૂરી છે. પાવર આઉટ લેટ્સ તથા મલ્ટીપલ (વિવિધલક્ષી) પ્લગો કદી પણ ઓવરલોડ કરાયેલા હોવા જોઈએ નહીં. માત્ર ISI માર્કવાળા ઉપકરણો તથા સાધનો જ ઉપયોગમાં લેવાવા જોઈએ. વર્ષમાં ઓછામાં ઓછા એક વખત સમગ્ર શાળાનું વાયરીંગ તથા વિજળીક ઉપકરણોની નિયમિત ચકાસણી કરાવો. વિજળીક આગની ઉપર કદી પણ પાણી મુકશો નહીં. વિજળીક આગ લાગે તે સમયે મુખ્ય સપ્લાય બંધ કરો. ગીનીગેર / મોડેડ પ્રકારના સરકીટ બ્રેકર્સ (MCBs) અને /

### આગ શામક ચલાવવા માટે કેટલીક અગત્યની સૂચનાઓ

- આગ શામક તેના નિયત સ્થળે જ હોવું જરૂરી છે. તે, કર્મચારીઓ સરળતાથી લઈ શકે તેટલી ઉંચાઈએ લગાવેલું હોવું જોઈએ. તેને ખૂબ જ ઉંચાઈએ કે નીચે લગાવશો નહીં.
- આગ શામકનો સરળતાથી ઉપયોગ કરી શકાય તે માટે તેની યોગ્ય રીતે નિભાવણી કરો. ત્યાં પહોંચવા માટે તથા તેને સહેલાઈથી જોઈ શકાય તે સામે કોઈ અવરોધ નથી તે અંગેની ચોકસાઈ રાખો.
- તેની પ્લેટ પર તેને ચલાવવા માટેની સૂચનાઓ બહારની બાજુ પર સરળતાથી વાંચી શકાય તેવી છે કે કેમ તેની ચોકસાઈ કરો ; તેની ઉપરનું સીલ તથા ટેમ્પર ઈન્ડિકેટર્સ તૂટેલા કે ખૂટતા તો નથી ને તેની પણ ખાતરી કરો.
- આગ શામક સામે વસ્તુઓ તથા સાધનોનો સંગ્રહ કરશો નહીં. તેનાથી કટોકટી સમયે આગ બૂઝાવવામાં વિલંબ થઈ શકે છે.
- બધા જ કર્મચારીઓ આગ શામકની યોગ્ય ઉપયોગી રીતથી સૂચિત કરાયેલા તથા સુમાહિતગાર હોવા ખાસ જરૂરી છે. આગ શામકો સલામતી માટે તથા ચલાવવા માટે ચકાસેલ હોવા પણ ખાસ જરૂરી છે.
- દિવાલમાં લગાડેલ આગ શામકોના જોડાણોને શાળા સંચાલકોએ નિયત સમયાંતરે ચકાસવા જરૂરી છે. વિદ્યાર્થીઓ તથા કર્મચારીઓ ગંભીર રીતે ન ઘવાય તે માટે ઠીલા થઈ ગયેલા સાધનોની ખાતરી કરવી ખાસ જરૂરી છે.
- ચકાસણી ચકાસણી એ ખરાઈ કરવાની પ્રક્રિયા છે કે જેમાં આગ શામક ઉપલબ્ધ છે તથા તે ચાલુ થઈ શકશે કે કેમ ? શાળા સંચાલકોએ, આગ શામક જ્યારે ઉપયોગમાં લેવાય તે સમયે તથા અંદાજે દરેક માસના અંતે તેનો નિયમિતપણે ચકાસવા ખાસ જરૂરી છે. શાળાઓએ આ આગ શામકોનો અહેવાલ રાખવાનો રહેશે કે જેમાં જરૂરી સુધારાત્મક પગલાં લેવામાં આવ્યા હોય. દરેક ચકાસણીની તારીખ તથા તેમની સહી કરાયેલ હોવી જોઈએ તથા તેને આગ શામક સાથે જોડેલ હોવું જોઈએ.

અથવા અર્થ લીકેજ સરક્રીટ બ્રેકર્સ (ELCB's) જેવા સ્વીચ ગીઅર પ્રોટેક્શનના સાધનોનો, ઓવર લોડ, શોર્ટ સરક્રીટ તથા ગ્રાઉન્ડ ફોલ્ટ્સના કારણે લાગતી આગને અટકાવવા માટે દરેક વિતરણ એનકલોઝર માટે અચૂકપણે ઉપયોગ કરવો જરૂરી છે. માત્ર ISI or BSI માર્કવાળા જ MCB's / ELCB's નો ઉપયોગ કરવા માટે ખાસ ભલામણ કરવામાં આવે છે.

### ૩) શાળાના મકાનોમાં "ફાયર એક્ઝિટ્સ" (Fire Exits) :-

'ફાયર એક્ઝિટ્સ' એ મુખ્ય પેસેજ વે માંથી મકાનની બહાર જવા માટેનું બારણું / દરવાજો, બાહ્ય સ્ટેટવે / સીડી છે. ચાલુ શાળાના મકાનોમાં આવા 'ફાયર એક્ઝિટ્સ' બધા જ અવરોધોથી મુક્ત અને સ્વતંત્ર રહેવા જોઈએ અને બહાર જવાના આ માર્ગોના બારણા અંદરથી ચાલી વિના જ ખોલી શકાય તેવા હોવા ખૂબ જ જરૂરી છે. આદર્શ સીડીની પહોળાઈ ૧.૫ થી ૧.૮ મીટર સુધીની હોવી જરૂરી છે. બે કે ત્રણ માળવાળા શાળાના મકાનોમાં-કે જેમાં માત્ર એક જ ફાયર એક્ઝિટ હોય-તેમાં એક વધારાની બહારની સીડી હોવી અત્યંત જરૂરી છે.

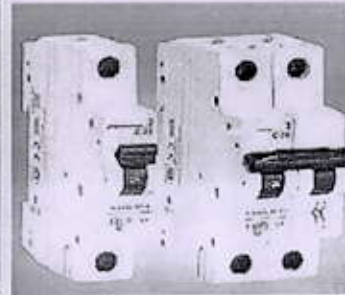
### ૪) ફાયર મોકડ્રીલ્સ :-

શાળાઓએ વર્ષમાં એક વખત "બે આગ / આપત્તિ એક્ઝિટ ડ્રીલ" નું આયોજન કરવું ખૂબ જ જરૂરી છે. (શાળામાંના મહિના અને / અથવા જ્યારે મકાનનો કબજો લેવામાં આવ્યો હોય ત્યારથી) આવી ડ્રીલ દર વર્ષે ૧૪મી એપ્રિલના રોજ (જો ૧૪ મી એપ્રિલના રોજ રજા આવતી હોય તો તે પછીના / આગળના કામકાજના દિવસે) રાષ્ટ્રીય આગ સલામતી દિન ઉજવવા તથા બીજી વખત અન્ય દિવસે- વિશેષ કરીને દિવાળી વેકેશન પહેલાં અથવા ઓક્ટોબર માસના બીજા બુધવારે આપત્તિ જોખમ શમન માટેના આંતરરાષ્ટ્રીય દિનની ઉજવણી કરવા માટે યોજાવવી જોઈએ. આવી ડ્રીલ્સનો અહેવાલ પણ રાખવો જ જોઈએ. આ હેતુ માટે જિલ્લાના જીએસડીએમએના પ્રતિનિધિ અને / અથવા સ્થાનિક આગ સેવાઓની સહાય પણ લઈ શકાય છે. આ મોક ડ્રીલ્સ નિયત વિધિઓ સહિત યોગ્ય એક સમાન સૂચનાઓ સાથેની એક્ઝિટ / સ્થળાંતર ડ્રીલ્સ તરીકેની રહેશે.

### શું કરવું જોઈએ અને શું ન કરવું જોઈએ

- વિજળીક ઉપકરણોના કારણે લાગેલી આગથી વિજળીક ઉપકરણો અથવા આગની ઉપર પાણી રેડકો નહીં.
- વિજળીના કારણે લાગેલી આગના કિસ્સામાં, વિજળીની મુખ્ય સ્વીચો બંધ કરો.
- યોગ્ય સ્થળોએ આગ બુઝાવવાના સાધનો રાખો.
- એ બાબતની ખાતરી કરો કે આગ બુઝાવવાના સાધનો હંમેશા ચાલુ હાલતમાં છે કે કેમ તથા સમયાંતરે તે કરીશો પુરા ભરવામાં આવે છે કે કેમ ?
- વિજળીક સાધનો પર ઓવર લોડીંગ તથા એક્સ્ટ્રાન કોર્ડ્ઝ અથવા મલ્ટી-આઉટ લેટ સ્ટ્રીપ્સ કરશો નહીં.
- મકાનની અંદરનો સાંકડો માર્ગ, વચ્ચે થઈને અવર-જવર કરવાનો માર્ગ તથા બીજી એક્ઝિટમાંથી સરળતાથી સ્થળાંતર થઈ શકે તે હેતુથી તેને સંપૂર્ણપણે અવરોધ રહિત રાખો. એવા સાધનો તથા વિશેષ કરીને એવી વસ્તુઓ કે જે જલ્દીથી સળગી ઉઠે તેવી હોય તેને સ્થળાંતરના માર્ગો બંધ થઈ જાય તે રીતે રાખશો નહીં.
- આગની કટોકટી સમયે ચીજ વસ્તુને ઉપર ચઢાવવાના યંત્રનો ઉપયોગ કરશો નહીં.
- અગ્નિ શામક સૌથી નજીકના કયા સ્થળે આવેલું છે તથા તેનો ઉપયોગ કેવી રીતે કરવો તેનાથી માહિતગાર રહો.
- સ્થળાંતર માટેના પ્રાથમિક તથા ત્યાર પછીના વૈકલ્પિક માર્ગો તથા સલામત રીતે એકત્ર થવાના સ્થળો વિષેની જાણકારી રાખો.
- કટોકટી સમયના ટેલિફોન નંબરો હાથવગુ રાખો.

# Guidelines for Fire Safety in Schools



Compiled by



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### Introduction:

While protecting the right to education and life, it must be ensured that lives of students are protected by at least the minimal safety measures in the schools. There have been instances of fire accidents across the country causing serious safety concerns for the children. The Supreme Court of India in a direction to petition reply on April 13, 2009 has directed all schools functioning in the country to comply safety measures.


### Purpose:

Gujarat State Disaster Management Authority (GSDMA) with the intent to promote fire safety culture among schools in Gujarat has come up with the compilation titled "Guidelines for Fire Safety in Schools". Every school is responsible for provision and maintenance of fire safe conditions to its students and themselves. In a similar manner, every student is responsible for complying the safety rules and for using the fire safety equipment provided in the school. The guidelines have been compiled with a view that it would motivate the school and students to practice and promote fire safety in the schools.

## Fire Safety Precautions

The best defense against fire is to prevent the fire from starting. Everyone is responsible for fire prevention and for knowing how to handle a fire emergency. Control fire if possible. In all situations, ensure personal security.

### 1) Fire Extinguishers:-

Fire Extinguisher is a firefighting equipment used to prevent and/control fires due to various combustibles sources. Fire extinguishers must be used by trained personnel and are intended for use on incipient fires. The type, location, size and numbers of fire extinguishers are based on the specific fire hazard(s) present in the work area. All fire extinguishers are labeled either **ABC, A, B, C, or a combination of A, B and C**, so be sure to purchase the appropriate type of extinguisher and also read the label on the equipment carefully. **Only ISI mark  approved and certified BIS fire extinguishers are recommended.**

- 1) Portable Class A type (Water-CO<sub>2</sub>) ISI marked fire extinguisher for safety against "A" class fires involving materials like wood, paper, cloth, plastic, fiber, rubber, etc. A 9 liters capacity Water –CO<sub>2</sub> extinguisher is suggested for a floor area of 1000 square meters floor area. *It is recommended to use one Class A type extinguisher for each floor and wing of the school building.*

**Multi-purpose type fire extinguishers (ABC type)** will handle fires involving combustible materials: flammable liquids, gases and greases, as well as electrical fires.

**Water /Water –Gas fire type extinguishers (A)** will handle fires involving wood and/or paper, cloth, plastic, etc.

**Carbon dioxide fire extinguishers (BC)** will handle small fires caused by flammable liquids, gas or electricity.

**CAUTION: DO NOT USE IN ELECTRICAL FIRES**

- 2) ISI marked **Carbon Dioxide (CO<sub>2</sub>) Type Fire Extinguisher** is suitable for B and C class fires involving all inflammable liquids, gases, machinery fires, electrical and electronic equipment fires, transformer and switch gear fires. *One CO<sub>2</sub> type of 4.5 liters capacity is recommended for each computer laboratory/centers in the school.*
- 3) ISI marked **Dry Chemical Powder Fire Extinguisher (DCP)** can also be used to control B and C class fires due to Oil, petrol, petroleum products, solvents, paints, varnishes, chemical liquids, all inflammable liquids, electrical fires, gas fires, etc. *One DCP type of extinguisher of 5 litres capacity is recommended for each chemistry/chemical laboratory in the school.* If the power consumption is more than 5 KW it is recommended to install one DCP extinguisher of 5 litres capacity for the main electrical distribution junction.

**2) Electric Switchgear Equipment/System:**

Electricity and electrical equipment may cause fire due to electrical arc or overheating. It can cause

*Some Important Instructions for handling Fire Extinguishers:*

- *The extinguisher must be located in its designated place. Fire extinguishers must be installed at heights that are convenient for personnel to reach. Do not install it at a very high or low height.*
- *Maintain clear access to the fire extinguishers. Ensure there is no obstruction to its access or visibility.*
- *Ensure that the operating instructions on the nameplate are legible and facing outward; the seals and tamper indicators are not broken or missing.*
- *Do not store items and equipment in front of fire extinguisher. It may delay the response in case of emergency.*
- *All staff members must be instructed and become familiar with the proper use of fire extinguishers. Fire extinguishers must be checked for safety and operation.*
- *The school authorities shall periodically inspect the attachments holding the extinguishers to the walls. Loose equipment must be secured to avoid a serious injury to students and employees.*
- *Inspection. An inspection is a process to confirm that a fire extinguisher is available and will operate. The school authorities must inspect an extinguisher when it is initially placed in service and thereafter at approximately 30-day intervals. The school must keep a record of those fire extinguishers that require corrective action. The date and initial of each inspection must be recorded and the tag attached to the extinguisher. Also tag the Customer Care Number to coordinate annual inspections of all fire extinguishers in schools.*



injury or death due to shocks and burns or may lead to major fire outbreak in the school. Extension cords must be used only on temporary basis (less than 3-4 days). Cracked, broken plugs and switches and/or faulty wiring must be replaced. Power outlets and multiple plugs must never be overloaded. ISI marked appliances and equipments must only be used. Routinely check the electrical appliances and wiring of the entire school once every year. *Never put water on an electrical fire. Turn off the main supply in case of electrical fires. Switchgear protection equipments like Miniature/Moulded Case Circuit Breakers (MCB's) and/or Earth Leakage Circuit Breakers (ELCB's) must be used for each distribution enclosure to prevent fires due to overloads, short-circuits and ground faults. Use of only ISI/BIS marked MCBs/ELCBs is recommended.*

### 3) Fire Exits in School Buildings:-

A fire exit is a door, gate, external stairway/case leading to the outside of a building from a main passageway. Fire exits in occupied school buildings must remain free and clear of all obstructions and these exit doors must be accessible from the inside without the use of a key. *Ideally the stair width should be 1.5 to 1.8 metres. In two or more storeyed school buildings, having only one fire exit, an external staircase is to be provided.*

### 4) Fire Mock Drills:-

*Schools must conduct two fire/disaster exit drill in a year (interpreted as school months and/or whenever the building is occupied). Drill must be conducted on 14<sup>th</sup> April every year (next/previous working day if 14 is a holiday) to observe National Fire Safety Day and any other day preferably before the Diwali vacations or on 2<sup>nd</sup> Wednesday of October to observe the International Day for Disaster Risk Reduction. A record of these drills must be kept. The District GSDMA representative's and/or local fire services' assistance may be sought for this purpose. The mock drills shall be exit /evacuation drills accompanied by appropriate instructions commensurate with all established procedures.*

#### Do's and Don'ts:-

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*Do not throw water on electrical appliances or fire due to electrical appliances.*

*In case of electrical fire, turn off electric main switches.*

*Place firefighting equipment at appropriate locations.*

*Make sure that firefighting equipment is in working condition always and refilled periodically.*

*Avoid overloading electrical outlets and extension cords or multi-outlet strips.*

*Keep corridors, aisles and second exits clear to facilitate evacuation. Do not block evacuation routes with equipment materials, especially items that can burn easily.*

*Do not use elevators in case of fire emergency*

*Know where the nearest fire extinguisher is located and how to use it.*

*Know primary and secondary evacuation routes, as well as the location of a safe gathering place*

*Keep the emergency numbers ready.*