Creating school safety through Geo-spatial technology

Dr. Mukta Girdhar
Prof Mewar University
Director
Disaster Resilient & Research Foundation
Student affected by Disasters
Annual average number of (millions) affected by disaster type (2001 - 2020)

- **Flood**: 82.7
- **Drought**: 67.5
- **Storms**: 37.4
- **Extreme temperatures**: 6.3
- **Earthquakes**: 6.2

Source: OCHA 2021
HOLISTIC APPROACH TO ENSURE CHILDREN’S SAFETY IN SCHOOL

- Physical Safety
- Psychosocial Safety
- School Transport and Safety
- Background Verification of Staff
- Visitor Management System

Disasters
Safe School: Safe Students

- School Safety Plan: Individual Safety & Disaster Preparedness
- Emergency Drills
- Entry/Exit Protocols, CCTV surveillance
- Self-Defence Training to students
- Empowerment of PTA to audit safety measures
- Access Control of different areas & Staff Counselling
- Good/Bad Touch Training & feedback mechanism for students
Plan components

Hazard Identification/ safety assessment
  - Structural assessment
  - Non-Structural assessment
  - Resource inventory
  - Mitigation of hazards identified

Response Plan
  - Evacuation Plan
  - Special provisions for handicapped
The physical location and demographic details of the school building and its surrounding environment
Emergency Evacuation Plan
Kamal International School
11/14 Nangli Sakrawati, Najafgarh, Delhi 43

Ground Floor

DO'S AND DONTS
Do not panic
Protect yourself
Do not run
Walk briskly

Emergency Evacuation Plan
Kamal International School
11/14 Nangli Sakrawati, Najafgarh, Delhi 43

Ground Floor

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Evacuation Plan

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Evacuation Plan

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Evacuation Plan

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Emergency Evacuation Plan Kamal International School
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Fire Extinguisher Hose reel
Sand Bucket Evacuation Direction Vulnerable Areas Assembly Point Drinking Water Meter Gauge
Hand Wash

Najafgarh Police Station
Ph-011 25016200
Control Room-100
Delhi Police Women 1091 Traffic Police 1095/011-25844444 Fire Station Najafgarh
Ph: -011 28012214 Anand Hospital
Ph: - 09899226009 Ambulance 102,108,
DDMA 1077

DO’S AND DONTS
Do not panic
Protect yourself
Do not run
Walk briskly
Emergency/ Help line Number

- DDMA-1077
- Delhi Fire Services -101
- Delhi Police-100
- Delhi Police-1091(Women)
- Senior Citizen-1291
- Missing Person-1094
- Traffic Police-1095/011-25844444
- Ambulance-102,108
- Eyes &Ears-1090

Stretcher Yes Fire extinguisher 05
Ladders Yes Thick rope
Torch Yes First-aid box
Temporary shelter (tents and tarpaulins)
Formation of Team

- Awareness generation Team
- Warning & information dissemination team
- Evacuation Team
- Search & Rescue Team
- Fire Safety Team
- First aid Team
- Site security team
- Bus safety team
- On call emergency team
# Disaster Management Committee

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
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<tbody>
<tr>
<td>Chairperson: Principal</td>
<td>A.R. Gupta/Niva Deo (9999097247)</td>
</tr>
<tr>
<td>Education Officer</td>
<td>Bimal Kumar, Dy. Director of Education Zone 22 South West (011 25324422)</td>
</tr>
<tr>
<td>Parent Teacher Association President</td>
<td>Mr. Magan Singh Bhandari (9910070983)</td>
</tr>
<tr>
<td>4 Student (NSS, NSC, SCOUTS, Guide)</td>
<td>Anshul, Tanvi, Ashish, Harsh Kumar</td>
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<tr>
<td>Representative of Relief/ Revenue/ Disaster Management Department/District Administration, Municipal Corporation</td>
<td>Neera, MCD Education officer (011 28018775)</td>
</tr>
<tr>
<td>Representative of Fire Services</td>
<td>Najafgarh Fire Station (011 28012214)</td>
</tr>
<tr>
<td>Representative of Police</td>
<td>Najafgarh Police Station (011 25016200)</td>
</tr>
<tr>
<td>Representative of Health Department</td>
<td>Anand Hospital, Nirmal Vihar, Najafgarh (09899226009)</td>
</tr>
<tr>
<td>Warden from Civil Defence</td>
<td>N/A</td>
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Founder & Director

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Thanks