SCHOOL SAFETY HAZARDS PREPAREDNESS OF PUBLIC ELEMENTARY SCHOOLS IN THE DIVISION OF CALAMBA EAST DISTRICT
• Goal of Department of Education
• National Disaster Risk Reduction and Management (NDRRM) Plan 2011-2028
• RA 10121

(4) thematic areas: disaster prevention and mitigation, disaster preparedness, disaster response and disaster rehabilitation and recovery.
Considering the importance of the safety net school-aged children and school personnel and in pursuance to DepEd order No. 50 s. 2011 entitled creation of Disaster Risk Reduction and Management office (DRRMO), this study attempted to assess the school hazards preparedness of elementary school located in Calamba East District.
• Assess the level of preparedness on School Safety Hazards among public elementary schools in Calamba East District

• Identify the problems encountered by the respondents regarding School Safety Hazards Preparedness

• Find out the relationship of the level of preparedness and the problems encountered
1. What is the level of school safety hazards preparedness among schools in the Division of Calamba East District as assessed by teachers, principals, PTA officers and Barangay officials in terms of:

1.1. General safety hazard measures;
1.2. Fire/Short Circuit;
1.3. Earthquake; and
1.4. Flood?

Statement of the Problem

Jomar C. Llarena
Randy D. Punzalan
2. Is there a significant difference in the assessments of the teachers, principals, PTA officers and Barangay Officials in the safety hazards preparedness of public elementary schools in the Division of Calamba East District?

3. To what extent are the problems encountered in school safety hazard preparedness?
4. Is there significant relationship between school safety hazards preparedness and the problems encountered?

5. Based on the findings of the study, what action plan can be proposed to further improve the level of preparedness of schools in safety hazard practices?
Data analysis
- Observance of the Level of Schools Safety Hazard Preparedness

Comparative Analysis
- Comparative analysis on the assessments of the four groups of respondents

Correlational analysis
- Relationship between Level of Preparedness and Problems Encountered

Action Plan to improve the Level of Schools’ Safety Hazard Preparedness
DESCRIPTIVE METHOD
<table>
<thead>
<tr>
<th>School</th>
<th>School Heads</th>
<th>Teachers</th>
<th>PTA Officers</th>
<th>Barangay Officials</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linnga ES</td>
<td>1</td>
<td>35</td>
<td>8</td>
<td>8</td>
<td>52</td>
</tr>
<tr>
<td>Looc ES</td>
<td>1</td>
<td>42</td>
<td>8</td>
<td>8</td>
<td>59</td>
</tr>
<tr>
<td>Palingon ES</td>
<td>1</td>
<td>9</td>
<td>8</td>
<td>8</td>
<td>26</td>
</tr>
<tr>
<td>Rongot ES</td>
<td>1</td>
<td>4</td>
<td>8</td>
<td>8</td>
<td>21</td>
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<tr>
<td>Sampiruhan ES</td>
<td>1</td>
<td>25</td>
<td>8</td>
<td>8</td>
<td>42</td>
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<tr>
<td>Uwisan ES</td>
<td>1</td>
<td>14</td>
<td>8</td>
<td>8</td>
<td>31</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6</strong></td>
<td><strong>129</strong></td>
<td><strong>48</strong></td>
<td><strong>48</strong></td>
<td><strong>231</strong></td>
</tr>
</tbody>
</table>

Total Respondents

Republic of the Philippines
DepEd-Calamba City

Jomar C. Llarena
Randy D. Punzalan
The participants answered the survey questionnaire. This instrument was composed of 2 selections with the total of 42 questions. The researcher consulted books, electronic references, and related studies in order to come up with the intended variables. The researcher also considered the framework of disaster management from the division of Calamba City in drafting research instrument.
• MEAN
• ANOVA
• Pearson r
## Finding/Conclusion/Recommendation

<table>
<thead>
<tr>
<th>SOP # 1</th>
<th>FINDINGS</th>
<th>CONCLUSION</th>
<th>RECOMMENDATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the level of school safety hazards preparedness among schools in the Division of Calamba East District as assessed by teachers, principals, PTA officers and Barangay officials in terms of: 1.1. General safety hazard measures; 1.2. Fire/Short Circuit; 1.3. Earthquake; and 1.4. Flood?</td>
<td>1.1. General safety hazard measures, 3.05, Prepared</td>
<td>The schools in the Division of Calamba East district are prepared in case hazards occur.</td>
<td>In the context of risk reduction management, concerted and conscientious efforts of the stakeholders must be considered along with the four areas: general safety hazards, fire/short circuit, earthquake and flood in order to improve the level of preparedness on schools’ safety hazards.</td>
</tr>
<tr>
<td></td>
<td>1.2. Fire/Short Circuit, 2.90, Prepared</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.3. Earthquake, 2.94, Prepared</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.4. Flood, 3.02, Prepared</td>
<td></td>
<td></td>
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</tbody>
</table>
Is there a significant difference in the assessments of the teachers, principals, PTA officers and Barangay Officials in the safety hazards preparedness of public elementary schools in the Division of Calamba East District?

<table>
<thead>
<tr>
<th>SOp # 2</th>
<th>FINDINGS</th>
<th>CONCLUSION</th>
<th>RECOMMENDATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>There is a significant difference among the assessments of the safety hazards preparedness in terms of Earthquake at 0.05 level of significance. General safety measures, Fire/Short Circuit and Flood did not manifest significant difference.</td>
<td>The respondents have different views on the implementation of school safety hazards preparedness</td>
<td>Schools must intensify its campaign and improve its measures even in other variables investigated. Awareness among stakeholders is imperative so as to encourage involvement and participation among stakeholders.</td>
<td></td>
</tr>
</tbody>
</table>

Finding/Conclusion/Recommendation

Jomar C. Llarena
Randy D. Punzalan
<table>
<thead>
<tr>
<th><strong>SOP # 3</strong></th>
<th><strong>FINDINGS</strong></th>
<th><strong>CONCLUSION</strong></th>
<th><strong>RECOMMENDATION</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>To what extent are the problems encountered in school safety hazard preparedness?</td>
<td>The problems encountered in school safety hazard preparedness has a general assessment of 2.40 which is interpreted as <strong>Less Evident</strong>.</td>
<td>The PTA officers, as representative of the parents, observe that there are some problems which still have to be addressed by the schools when it comes to preparedness on schools’ safety hazards. PTA officers are involved in the management process as regards to safety hazards preparedness.</td>
<td>Collaboration and active participation of stakeholders is really important to address different needs of school in relation to safety hazards preparedness. Parents’ Involvement should be enhanced considering that most of their assessment was <em>evident</em> as regards to the problems encountered.</td>
</tr>
<tr>
<td>SOP # 4</td>
<td>FINDINGS</td>
<td>CONCLUSION</td>
<td>RECOMMENDATION</td>
</tr>
<tr>
<td>---------</td>
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<td>----------------</td>
</tr>
<tr>
<td>Is there significant relationships between school safety hazards preparedness and the problems encountered?</td>
<td>There is no significant relationship between the level of school safety hazards preparedness and the problems encountered in terms of fire, earthquake and floods. On the other hand the level of school safety hazards preparedness and the problems encountered in terms of general safety has significant relationship.</td>
<td>The higher the level of preparedness, the lesser will be the problems encountered.</td>
<td>It is paramount that schools must conduct monitoring and evaluation so as to ensure that measures are highly implemented because this will significantly affect the problems encountered.</td>
</tr>
</tbody>
</table>
Based on the findings of the study, what action plan can be proposed to further improve the level of preparedness of schools in safety hazard practices?

On the basis of the findings, an action plan was proposed to improve the school safety hazard practices among schools for the general welfare of all stakeholders primarily the safety net of the students/pupils.

An action plan is proposed as basis of the findings and will eventually give a more evident level of preparedness and less problems encountered as regards to safety hazards practices.

There is synergy and dynamism among stakeholders, disaster management will be a successful endeavor which will promote safety net especially for the students and pupils – a learning environment that will support effective and engaged learning. The implementation of the proposed action plan is highly recommended.

<table>
<thead>
<tr>
<th>SOP # 5</th>
<th>FINDINGS</th>
<th>CONCLUSION</th>
<th>RECOMMENDATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Founding/Conclusion/Recommendation</td>
<td>Jomar C. Llarena</td>
<td>Randy D. Punzalan</td>
<td>Republic of the Philippines DepEd-Calamba City</td>
</tr>
</tbody>
</table>
## General Safety Measures

**Objective/s**
- To improve the service delivery on floor plan/emergency evacuation and visible directional signage

**Program Activity**
- a. Establish organization on School Watch Safety Committee
- b. Orientation of guidance about the school general safety measures
- c. Plan, review and address, as needed, the school’s procedures for complying with the existing guidelines related to school Physical safety on General Safety Hazard Measures
- d. Conduct an evaluation of floor plan/emergency evacuation and directional signage per school and design a comprehensive safety measures.

**Time Frame**
- Year Round

**Persons Involved**
- District Supervisor
- Principal
- Disaster Risk Coordinator
- Teachers

**Propose Budget**
- Php 3000.00

**Success Indicator**
- 75% of the evaluation and comprehensive safety measures shall have been done and prepared for implementation

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**Action Plan**

Jomar C. Llarena
Randy D. Punzalan
## Republic of the Philippines
### DepEd-Calamba City

<table>
<thead>
<tr>
<th>Area</th>
<th>Objective/s</th>
<th>Program Activity</th>
<th>Time Frame</th>
<th>Persons Involved</th>
<th>Propose Budget</th>
<th>Success Indicator</th>
</tr>
</thead>
</table>
| Fire/ Short Circuit   | To assure sufficient number of functional fire extinguishers in accessible places | a. Budget the program to provide school safety hazard materials like functional fire extinguisher by cooperating with government units and PTA fund raising project.  
  b. Verification that the school inspection on Fire safety measures was evaluated at least once a year, and revised by March 1 every year.  
  c. Documentation that inspections or evaluation was submitted for approval to either the cluster head or division office of the department.  
  d. Verification that School Safety Hazards Committee communicated the school safety plan to the public at a public meeting at the school site. | Year Round | District Supervisor  
  Principal  
  Disaster Risk Coordina-tor  
  Teachers | Php 10, 000 | 85% % of the sufficient number of a functional fire extinguish-her have been placed in accessible areas of school |

**Action Plan**

Jomar C. Llarena  
Randy D. Punzalan
### Area: Earthquake

**Objective/s:** To reinforce the school's furniture and fixtures and other hazardous equipment

**Program Activity:**

- a. Develop written plan and records on the following; (1) Disaster preventive measures procedures, (2) routine and emergency drills,(3) Dates/times of drop procedure drills held once each quarter in school
- b. Conduct comprehensive inspection of attached furniture, fixtures, and equipment
- c. Yearly consultation with a representative from a law enforcement agency in the writing and development of the Comprehensive School Safety Plan on this area

**Time Frame:** Year Round

**Persons Involved:**
- District Supervisor
- Principal
- Disaster Risk Coordinator
- Teachers

**Propose Budget:** Php 3,000

**Success Indicator:** 75% of the evaluation and comprehensive safety measures shall have been done and prepared for implementation.
<table>
<thead>
<tr>
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<th>Program Activity</th>
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<th>Success Indicator</th>
</tr>
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| Flood  | To install signages for temporary shelter and flood warning devices        | a. Budget the programs through worthwhile activities (School Fund Raising, PTA Project, Class Home Room Programs) by cooperating with government units, PTA and the like that would raise funds.  
   |                                                                 | b. Installation or renovation of signages and flood warning devices                                  | Year Round   | District Supervisor  
   |                                                                 |                                                                                                        |              | Principal               | Php 3,000       | 77% of the signage and flood and flood warning devices shall have been renova-ted and installed respecti-vely. |

**Action Plan**

Jomar C. Llarena  
Randy D. Punzalan
THANK YOU

VERY MUCH!