Iran School Earthquake Safety Initiative

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25-27 June 2007
Asian Conference of Disaster Reduction 2007
Astana, Kazakhstan

Facts of School Earthquake Safety in Iran

Problem or Facts: High Seismic Risk of Schools in Most Part of Iran

Loss of ~10,000 out of 32,433 students.
Loss of ~1000 out of 3,400 Teachers.

Interruption of Children Education

<table>
<thead>
<tr>
<th>City</th>
<th>Collapsed School</th>
<th>Collapsed Class</th>
<th>Damaged School</th>
<th>Damaged Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bam</td>
<td>71</td>
<td>556</td>
<td>33</td>
<td>268</td>
</tr>
<tr>
<td>Barazat</td>
<td>16</td>
<td>112</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>Bam area</td>
<td>44</td>
<td>152</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>131</td>
<td>820</td>
<td>37</td>
<td>289</td>
</tr>
</tbody>
</table>
Facts of School Earthquake Safety in Iran

Problem or Facts: High Seismic Risk of Schools in Most Part of Iran

Distribution of Iranian Students and Schools

<table>
<thead>
<tr>
<th>Total Number of Students and School</th>
<th>Urban</th>
<th>Rural</th>
<th>Total</th>
<th>State</th>
<th>Private</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>10,791,509</td>
<td>4,472,906</td>
<td>15,264,349</td>
<td>14,124,963</td>
<td>1,139,386</td>
</tr>
<tr>
<td>Schools</td>
<td>62,776</td>
<td>78,039</td>
<td>140,815</td>
<td>128,552</td>
<td>12,263</td>
</tr>
<tr>
<td>School Buildings</td>
<td>26,205</td>
<td>58,400</td>
<td>84,605</td>
<td>77,267</td>
<td>7,338</td>
</tr>
<tr>
<td>Classrooms</td>
<td>413,256</td>
<td>247,427</td>
<td>660,683</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

131,935 Classrooms need to be Reconstructed
126,010 Classrooms need to be Strengthened
39% of Schools need to become Safe
50,000 more Classes need to be built

Problem or Facts: High Seismic Risk of Schools in Most Part of Iran

Challenge: Earthquake Risk Reduction and Control with the Objective of Saving Children’s Life and Future Resources

Role of Parents, School Officials and Children: To Take Earthquake Risk Serious, Be Prepared, Use the Know-How, Implement the Codes, and Integrate Safety into the School’s Development Program.
Iran Overall Strategy on Natural Disaster Risk Reduction

Strategy for Earthquake Risk Reduction Program

- Increasing public awareness and promoting a collective prevention and safety culture.
- Increasing the scientific and technical knowledge required for earthquake risk mitigation.
- Reducing the risk of all types of structures and making sure that all structures are built safer by full implementation of building codes with “Zero Tolerance” for any type of violation.
- Improving the quality of city planning and management.
- Improving the disaster response, management and implementing an effective plans for post earthquake Recovery and reconstruction.
School Earthquake Safety Initiative

Why Schools and Students?

- **Key component in risk reduction.**
- **High Capacity of Learning.**
- **Major role in the development; Transferring Knowledge and can act as safety messengers.**
- **Important institutions in the formation and promotion of safety culture in a society.**
- Schools can be used as shelters and relief center after disasters.
- Provides **confidence** and binds the community
- Students are the **Future and their safety** ensures the **leadership** among future generations.

IIEES Program and Achievements

To implement the School Safety Initiative, IIEES Program Composed of:

   - Educating children and youngsters about earthquake preparedness at all school levels by including materials in textbooks, films, conducting drill, exhibitions, drawing and writing competitions, posters, etc.
   - Conducting annual national drill in schools on November 8th.
   - Organizing annual art, painting and training exhibition.

2. Promoting and Supporting the Safety of School Buildings
School’s Earthquake Education
18 Textbooks from 3rd to 11th Grade

School’s Earthquake Education
“Earthquake and Safety” Drills
### Development process

#### School “Earthquake and Safety” Drills

<table>
<thead>
<tr>
<th>School Level</th>
<th>Year</th>
<th>Students</th>
<th>Schools</th>
<th>Girls</th>
<th>Boys</th>
</tr>
</thead>
<tbody>
<tr>
<td>First National Drill</td>
<td>1997</td>
<td>527,237</td>
<td>1,059</td>
<td>260,480</td>
<td>266,890</td>
</tr>
<tr>
<td>Second National Drill</td>
<td>1998</td>
<td>4,580,688</td>
<td>15,499</td>
<td>2,255,781</td>
<td>2,324,907</td>
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<tr>
<td>Third National Drill</td>
<td>2000</td>
<td>11,100,000</td>
<td>45,000</td>
<td>5,224,171</td>
<td>5,775,829</td>
</tr>
<tr>
<td>Fourth National Drill</td>
<td>2001</td>
<td>11,800,000</td>
<td>48,000</td>
<td>5,624,178</td>
<td>6,175,829</td>
</tr>
<tr>
<td>Fifth National Drill</td>
<td>2002</td>
<td>16,591,225</td>
<td>120,000</td>
<td>7978101</td>
<td>8613124</td>
</tr>
<tr>
<td>Sixth National Drill</td>
<td>2003</td>
<td>16,027,956</td>
<td>120,000</td>
<td>7730638</td>
<td>8297318</td>
</tr>
<tr>
<td>Seventh National Drill</td>
<td>2004</td>
<td>15,264,349</td>
<td>140,815</td>
<td>7,391,739</td>
<td>7,872,610</td>
</tr>
<tr>
<td>Eighth National Drill</td>
<td>2005</td>
<td>14,330,901</td>
<td>154,804</td>
<td>6,939,725</td>
<td>7,391,176</td>
</tr>
</tbody>
</table>

Note: The number of schools and students has been rounded up.

### Scene of School “Earthquake and Safety” Drills

![Scene of School “Earthquake and Safety” Drills](image-url)
Informal Earthquake Educational Books (sample)

Educational Workshops for Ages 6-18
Earthquake Education in Kindergartens

School Earthquake Safety Initiative

**Approach:**

- National Programs has been established to assure Earthquake Safety of “New” and “Existing” Schools.

  **NEW SCHOOLS:**
  - High priority and attention has been given to making sure that new schools are built safe.
  - Establish specials standards and guideline for “Safe School”.

![Images of students and teachers participating in earthquake safety initiatives.]

![Images of new school buildings under construction, showcasing earthquake-resistant design features.]

School Earthquake Safety Initiative

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- National Programs has been established to assure Earthquake Safety of “New” and “Existing” Schools.

  ✓ NEW SCHOOLS:
    - High priority and attention has been given to making sure that new schools are built safe.
    - Establish specials standards and guideline for “Safe School”.

  ✓ EXISTING SCHOOLS:
    From 660,683 Classrooms in Iran
    - 131,935 Classrooms need to be Reconstructed
    - 126,010 Classrooms need to be Strengthened
    - 39% of Schools need to become Safe

- Integrate “Earthquake Education and Preparedness” into the School Educational Programs.
School Earthquake Safety Initiative

School Safety Bill - May 2006

Based on Hard Efforts of Ministry of Education, IIEES Promotion of School Safety and Support of Government, the "School Safety Bill" has been passed by Iran's Parliament for reconstruction and strengthening of 257,945 Vulnerable Classes (39% of all total) within next 4 Years, with the budget of $4 Billion.

Same amount is planned to be allocated to the construction of new schools.

LAST WORDS

FACTS:
- There is a great concern on high risk of schools.
- There is the will and Law to upgrade the Safety.
- There is enough Experience, Knowledge, and Resources to achieve "School Safety".

NEEDS TO BE DONE:
- Make the "School Earthquake Safety Initiative" a National Program.
- Parents Cooperation and Participation is Necessary for enhancing their Children Safety in Schools.
- International Help should be done before instead of after.