



# Earthquake Preparedness

ISY Campus

2018-2019

Appendix 4

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## Introduction

It is the aim of the International School Yangon (ISY) to provide safe workplace for all staff, students, and workers by adopting a planned and systematic approach to earthquake safety and by providing the resources and knowledge for the successful implementation of an earthquake safety program. This is of particular importance in Myanmar as the country rests on one of the world's two main earthquake belts, with one of its many fault lines, the Sagaing Fault, running 1,000km north to south through the country's central plain. The Sagaing Fault places major Myanmar cities, including Mandalay, Bago and Yangon, at risk. Historically, earthquakes in Myanmar have resulted in only minor damage and relatively few casualties. However, a major earthquake in Yangon could be potentially devastating due to the high concentration of people living in poorly constructed buildings.

Most the current buildings on the ISY Campus will withstand a minor earthquake. However, due to the prevalence of substandard construction techniques in Myanmar it is likely that a major earthquake can cause significant damage.

This document and plan is intended to be a dynamic document that will be frequently re-evaluated and updated as campus conditions and structures change. It is the intent of this document to mitigate the risk associated with an earthquake and protect lives.

## Scope

The contents of this plan apply to all persons who are authorized to carry out activities on the ISY campus, including of all employees, contractors, students and visitors.

## Definitions

### **Responsible Officer:**

The ISY Director is the Responsible Officer for ISY and for the ISY Earthquake Preparedness Plan.

## Background

The ISY Campus is an approximately four-acre site currently consisting of 4 classroom buildings, an administrative building, several smaller structures, and kitchen facilities. In addition, associated with the ISY Campus is one adjacent detached home, designated as the Center for Learning & Technology (28C). The center of the ISY Campus is a soccer pitch.

The potential/risk for earthquake damage on the ISY Campus is assessed as high. This is due to a number of factors which include the following:

- Location of Yangon along a major fault line
- Substandard construction techniques used in building construction in Myanmar
- Multi-level classroom buildings

# **Roles and Responsibilities**

## **ISY Security Office**

The ISY Security Office under the direction of the Director of HSSE is responsible for the drafting, updating, implementing, and monitoring of the ISY Earthquake Preparedness Plan. In the event of an earthquake, the ISY Security Office will be responsible for:

- Coordinating the response of the local fire brigade
- Coordinating the response of local law enforcement
- Coordinating and monitoring the evacuation of students, faculty, staff, and visitors from campus buildings to a designated evacuation point
- Coordinating with the ISY medical unit the establishment of a casualty triage station
- Coordinating with the US Embassy disaster management team

## **Teachers and Staff**

Teachers are responsible for providing an accurate count of evacuated students, staff and visitors to their respective principals. Teachers and staff will help ensure the smooth evacuation of students, staff, and visitors from their respective classrooms once the earthquake ends

## **Building B/Center for Learning & Technology**

The Chief Operating Officer (COO) will be responsible for ensuring the smooth evacuation of students, staff, and visitors from Building B.

The Curriculum Coordinator will be responsible for ensuring the smooth evacuation of students, staff, and visitors from the Center for Learning & Technology (28C).

Both are responsible for providing an accurate count of evacuated students, staff, and visitors to the Director of HSSE.

## **Elementary and Secondary School Principals**

The Elementary School Principal will ensure an accurate count of all students, staff, and visitors evacuated from Building A. ISY Security, in conjunction with teachers and staff, will help facilitate the evacuation. During an evacuation, the Elementary School Principal will report to the ISY Director.

The Secondary School Principal will ensure an accurate count of all students, staff, and visitors evacuated from buildings C, D, and the SAS. During an evacuation, the Secondary School Principal will report to the ISY Director.

## **ISY Medical Unit**

During an evacuation, the ISY Medical Unit will establish a casualty triage station on the soccer pitch of the ISY Campus. The location of the casualty triage station may vary depending upon the damage to the ISY Campus. The ISY Medical Unit will coordinate the emergency medical response to the ISY Campus.

# ISY Internal Earthquake Preparedness Measures

## In the Event of an Earthquake

### If you are indoors during an earthquake

Teachers should instruct their students to do the following if indoors during an earthquake:

- DROP to the floor; take COVER by getting under a sturdy table or other piece of furniture; and HOLD ON until the shaking stops.
- If there isn't a table or desk near you, cover your face and head with your arms and crouch in an inside corner of the building.
- Stay away from glass, windows, outside doors and walls, and anything that could fall, such as lighting fixtures or furniture.
- Stay inside until the shaking stops and it is safe to go outside. Do not exit a building/classroom during the shaking.
- Be aware that the electricity may go out or fire alarms may turn on.
- Once the shaking stops, immediately evacuate the building/classroom to a designated evacuation site.

### If you are outdoors during an earthquake

Teachers should instruct students to do the following if outdoors during an earthquake:

- Remain outdoors.
- Move away from buildings, electrical poles, and utility wires.
- Once in the open, stay there until the shaking stops. The greatest danger exists directly outside buildings, at exits and alongside exterior walls.
- Once the shaking stops, immediately move to a designated evacuation site.

### If you are trapped under debris

- Do not light a match.
- Do not move around or kick up dust.
- Cover your mouth with a handkerchief or clothing.
- Tap on a pipe, wall, or metal object so rescuers can locate you. Use a whistle if one is available. Shout only as a last resort. Shouting can cause you to inhale dangerous amounts of dust.

## Location of Evacuation Site

### ISY Campus

The primary evacuation site for the ISY campus is the soccer pitch in the middle of the ISY Campus. This area provides sufficient separation from potentially affected structures. It also provides a central location from where children can be quickly moved to an alternate site, if necessary. Secondary sites will be determined as necessary. Potential secondary sites include:

- Petronas Compound
- Australian Club compound

Following an earthquake, the primary evacuation point for the Center for Learning & Technology (28C) is the adjacent parking lot. The alternate evacuation point is the soccer pitch on the ISY Campus.

## Monitoring, Drills, and Training

### Drills

The ISY Security Office, in coordination with the ISY Director, and the ISY Elementary and Secondary Principals, will conduct schoolwide earthquake evacuation drills at least twice during the academic year.

The ISY Security Office will conduct internal (Security Only) earthquake drills at least twice during the academic year.

### Monitoring

The ISY Security Office will routinely monitor designated earthquake evacuation routes in order to ensure that they are free of obstructions.

## Evacuation Routes

The Emergency Evacuation Route table specifies evacuation routes for all areas of the ISY Campus. The primary evacuation site is the soccer pitch in the center of the ISY Campus.

### Emergency Evacuation Routes

<b>Building/Room</b>	<b>Route</b>
Building A Ground Floor	Exit left, through the garage to the drop off area. Follow administration direction to evacuation site.
Building A Ground Floor	Proceed upstairs to soccer pitch, follow administration direction to evacuation site. Alternate route: Proceed through garage to drop off area. Follow administration direction to evacuation site.
Building A Floor 1	Exit left through front office proceed left to the soccer field and follow administration direction to the evacuation site.
Building A Floor 1	Exit left to central bridge onto field then proceed left to the soccer field and follow administration direction to the evacuation site.

Building A Floor 2	Exit left to central stairway down to central bridge onto field then proceed left to the soccer field and follow admin direction to the evacuation site.
Building A Floor 2	Exit left to stairway down to past front office and on to field. Proceed left to the soccer field and follow administration direction to the evacuation site.
Building A Floor 3	Exit left to stairway down and past front office and on to field. Proceed left to the soccer field and follow admin direction to the evacuation site.
Building A Floor 3	Exit left to central stairway down to central bridge onto field then proceed left to the soccer field and follow admin direction to the evacuation site.
Building B Upstairs and Downstairs	Exit thru main front door (east) downstairs and to the soccer field and follow admin direction to evacuation site.
Building D (Floor 1 and 2)	Proceed to Upper Court and go to soccer pitch.
Building C: Library and Classroom, Courtyard (Ground, 1, 2, 3)	Proceed to steps to upper court and to the soccer field and follow admin direction to evacuation site.
Covered Court, Kitchen,	Proceed directly to the soccer field and follow administration direction to the evacuation site.
Center for Learning & Technology (28C)	Note: Following an earthquake, the primary evacuation point for the Center for Learning & Technology (28C) is the adjoining parking lot. The alternate evacuation point is the soccer pitch on the ISY Campus.
SAS Building (Basement)	Exit left to the Courtyard. Upstairs way to first floor and exit to soccer pitch.

SAS Building (Level-1)	Fitness Room exist both southern door to the walk way and go to soccer pitch and also exit to basketball court and exist to soccer pitch. Exit to soccer pitch.
SAS Building (Level-2)	Exit and Downstairs way to Courtyard. Downstairs to first floor and exit to soccer pitch.
SAS Building (Level-3)	All the room exit to space area and use downstairs till first floor and exit to soccer pitch. All the room exit to space area and use downstairs till first floor and exit to soccer pitch.
SAS Building (Level-4)	All the room exit to space area and use downstairs till first floor and exit to soccer pitch. All the room exit to space area and use downstairs till first floor and exit to soccer pitch.
SAS Building (Level-5)	Futsal court exit to space area of fourth floor and downstairs till first floor and exit to soccer pitch. Downstairs way till first floor and exit to soccer pitch.
SAS Building (Level-6)	Downstairs way till first floor and exit to soccer pitch.