

The Indonesian

TSUNAMI READY Toolbox



Ministry of Culture and Tourism
Republic of Indonesia

Indonesia -Ultimate in Diversity-



-Tsunami-
Not a question of 'if' but WHEN

Major Tsunamis in Indonesia

Date	Origin	Magnitude	Max. Wave Height	Casualties
19.08.1977	Sunda Islands	8	15	189
02.06.1994	Java	7,8	13	222
01.01.1996	Sulawesi	7,9	4	9
26.12.2004	West Coast Sumatra	9	34	283.100
17.06.2006	Java (Pangandaran)	7,7	2	700

Every undersea earthquake with a magnitude $> 6,3$ and shallower than 70 km can potentially trigger a tsunami

Latest Tsunami Simulation

- Official Simulation for Bali Government
- South Bali
- Conservative Estimate [8,5 Richter Scale]
- 6 m Wave
- At least 500 m inundation
- Tanjung Bena in 'RED ZONE'
- 20 to 30 min evacuation time
- Most places only internal & vertical evacuation

Current State of Preparedness

Selected Challenges

- BMG 'Mother of all Warnings' [unclear]
- Problem: Warning content/ [unclear]
 - TV, Radio: unsafe because [unclear] power cuts (night time)
- Preparedness on local [unclear] often suboptimal
- So far no SOP's for [unclear] evacuation orders (no official guidance)
- Limited knowledge [unclear] tsunamis and how to prepare within hotel industry
- Customers [unclear] about hotels 'tsunami readiness'

Self Initiative!

TSUNAMI READY Toolbox & Seal

Everything a hotel needs to know about getting tsunami ready

- Fact Sheets
- SOP's
- Check Lists & Inventories
- Standards & Templates:
e.g. Evacuation Signs
- Best Practice Examples
e.g. Tanjung Benoa
- Useful Contacts
- Community Involvement
- Info Material for Guests Templates
- Tsunami Ready Seal

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Fact Sheets

1

The National Warning Chain of Indonesia

Introduction

Tsunami early warning in Indonesia is advancing but still far from perfect. To still have the right amount of information for the tsunami public are the main, conventional emergency drills and emergency plans. However, the decision of evacuation or not is still left up to the individual. This is not the best way to protect the decision makers.

Many people believe that the BMSI signs which are placed along coastal roads are sufficient to alert the warning. Unfortunately, that is not the case. It is not of the nature for the BMSI signs to be responsible for the triggering of the signs through an expert body like BMSI. That is why the signs are discontinued. It is planned to transfer the responsibility to the triggering of the signs to local decision makers. A sign which is question for a number of reasons.

To still the use other related problem, we should add tsunami safety is very much a question of all citizens, self-responsibility and self-learned knowledge.

Specific instructions like evacuation orders are only given out by local decision makers not through BMSI.

3

Membaca tanda-tanda - Merasakan adanya Tsunami

Membaca tanda-tanda

Tsunami bisa di rasakan oleh kita semua tanpa alat bantu. Kita bisa selamat dari Tsunami hanya dengan mengetahui beberapa rambu-rambu sederhana.

RASAKAN

-Gempa Bumi yang dahsyat dapat menyebabkan tsunami.

RASAKAN bumi bergetar keras disekitar anda?

LIHAT

- Ketika tsunami mendekati pinggir pantai, air akan surut memperhatikan dasar laut, karang dan ikan-ikan.

LIHAT adanya keganjilan di air?

DENGAR

- Suara yang di ciptakan oleh tsunami di laut hampir menyerupai suara kereta api atau pesawat jet.

DENGAR suara yang keras dari laut?

LARI

- Jangan menunggu per ingatan evakuasi resmi di keluarkan oleh yang berwenang.

- Secepatnya tinggalkan daerah rendah.

- Pergi ke dataran yang lebih tinggi.

- Jika semua yang di atas tidak mungkin di lakukan, cari dan pergi ke lantai paling atas sebuah bangunan kokoh yang di bangun oleh baja dan terbuat dari semen.

Lari jika melihat tsunami datang!

Already available Fact Sheets

- Introduction
- Content of Tsunami Ready Toolbox
- Tsunami Ready Checklist
- The Indonesian Warning Chain
- Tsunami Facts
- Tsunami Warning Sources
- Sensing a Tsunami [Bahasa Indonesia]
- Sensing a Tsunami [English]
- Evacuation Planning
- Department Close Down Procedures
- Evacuation Spots & Signs
- Hotel Evacuation Sign Templates 'Arrow'
- Hotel Evacuation Sign Templates 'Evacuation Spot'
- Official Indonesian Evacuation Route Signs



Checklist

Where do you stand? What needs to be done?

- Information Sources and Interpretation
- Evacuation Procedures
- Evacuation Route and Shelters
- Community Relations
- Cooperations
- Post Tsunami Preparedness



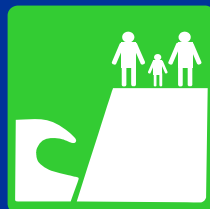
Tick the Box!

Hotel Evacuation Route Signs

- The signs resemble the official Indonesian tsunami evacuation signs to avoid confusion when crossing from public into private hotel space.



- Signs developed with BHA
- Checked by RISTEK
- Used by numerous BHA Hotels
- Communicated through BUDPAR throughout Indonesia

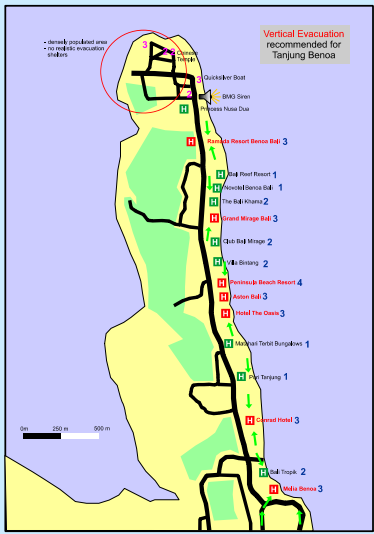


Official Indonesian Evacuation Route Sign for Public Spaces

Encourages Community Involvement

- Hotel ‘adopts’ village
- Village **evacuates to Hotel** if necessary
- **Hotel educates** resource person from village which is employed at hotel [BHA]
- **Hotel supplies** basic tsunami and evacuation information material in Bahasa Indonesia [Templates in Toolkit]
- Hotel as **tsunami warning source** for village [Corporate Social Responsibility CSR]
- Hotels donate official **public evacuation route signs**

Tsunami Evacuation in Tanjung Benoa



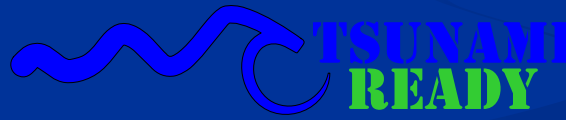
Legend		Warning Type	
1	Possible Tsunami Shelters		Siren Signal (audio)
2	1 level		Flag (visual) [not available yet]
3	2 levels		Other tall buildings
	3 levels		These numbers mark the location of other tall buildings and provide information on number of levels
	Proposed Evacuation Route		

Pilot Area Tanjung Benoa

- In Tanjung Benoa BHA hotels are in the process of jointly preparing for tsunami [Tsunami Ready Toolkit].
- Use of new **Hotel Evacuation Route Signs**
- **Experiences** will be **shared** with other hotels and incorporated into the toolkit.
- BHA will **support the village** through the opening of its hotels for **evacuation** purposes [3500 people].
- This step is a precondition for the **set-up of public evacuation route signs**.
- The **socialization** of the necessary procedures within Tanjung Benoa village will be supported by **GITEWS**.
- BUDPAR provides **PR** to give an added value to initiative and encourage others to follow

Tsunami Ready Seal

- Seal will be awarded to 'prepared' hotels
- Irregular audits
- Can be used as a marketing tool
- Will be introduced by BHA



Available on the Internet

- Google: BUDPAR + Tsunami Toolbox
 - UNESCO Jakarta Tsunami Information Centre
 - Prevention Web
 - Pacific Disaster Net





Open for Suggestions
and at
Your Service...

Contact:

BUDPAR

E : tsunamitoolbox@gmail.com

Alexander Kesper

hp: 08111 – 72 947

E : alex.kesper@gmail.com



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