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# Tsunami Ready Recognition Programme Application Forms



**IOC-UNESCO**  
**Indian Ocean Tsunami Information Centre**  
**(IOTIC)**

Tsunami Ready Recognition Programme Community Contact Information					
County		Locality/City/Town		Total amount of population	Amount of population to be evacuated
Glagah Village		Temon District, Kulon Progo Regency, Yogyakarta Province		Approx. 2.523 residents	Approx. 2.523 residents
Primary Point of Contact			Secondary Point of Contact		
Name	Sigit Pramono		Name	Sigit Supriyanto	
Office	Kalurahan Glagah Office		Office	Kantor Lurah Tanjung Benoa	
Title	Secretary of Glagah Village		Title	Hamlet Chief of Kalurahan Glagah	
Mailing Address	Jalan Daendels, Kalurahan Glagah, Kapanewon Temon, Kabupaten Kulon Progo		Mailing Address	Jalan Daendels, Kalurahan Glagah, Kapanewon Temon, Kabupaten Kulon Progo	
City	Kulonprogo, Yogyakarta Special Region		City	Kulonprogo, Yogyakarta Special Region	
State, ZIP	Indonesia, 55651		State, ZIP	Indonesia, 55651	
Phone	(+62) 82230285134		Phone	(+62) 82135417611	
email	<a href="mailto:pemerintahglagah@gmail.com">pemerintahglagah@gmail.com</a>		email	-	
1. Please add any important information as contact details. 2. Information regarding the Tsunami Ready Local Committee can be added in this box: (members' titles, date of its establishment, institutions represented, key stakeholders, donors, etc.).					

National Tsunami Ready Board - NTRB		
Country	Total amount of population of the country	Date of establishment of the NTRB
Indonesia	273.000.000 (2020)	November 11, 2021
<b>Contact information of the NTRB Chair</b>		
Full Name	Prof. Dwikorita Karnawati	
Office / Institution	The Agency for Meteorology, Climatology, and Geophysics (BMKG)	
Title	Head of Agency	
Mailing Address	Gedung A, Jl. Angkasa I no 2, Kemayoran	
City	Jakarta	
State, ZIP	DKI 10610	
Phone	+62 21 4248016	
Email	dwiko@bmkg.go.id;	
<b>List of members of the NTRB1 (please indicate name, institution and title)</b>		
<p>STRUCTURE OF MEMBERSHIP OF NATIONAL TSUNAMI READY BOARD</p> <p>I. Steering Committee:</p> <p>A. Coordinating Minister for Human Development and Culture of the Republic of Indonesia</p> <p>B. Coordinating Minister for Maritime Affairs and Investment of the Republic of Indonesia</p> <p>C. Minister of Home Affairs of the Republic of Indonesia</p> <p>D. Head of the National Disaster Management Agency of the Republic of Indonesia</p> <p>II. Chairman : Head of the Agency for Meteorology, Climatology, and Geophysics of Republic of Indonesia</p> <p>III. Vice Chairman:</p> <p>A. Deputy Head for Geophysics of the Agency for Meteorology, Climatology, and Geophysics</p> <p>B. Deputy for Prevention of the National Disaster Management Agency</p> <p>C. Director General of Regional Administration of the Ministry of Home Affairs</p> <p>IV. Operating Committee</p> <p>A. Chairman : Head of Center for Earthquake and Tsunami of the Agency for Meteorology, Climatology, and Geophysics</p> <p>B. Deputy Chairman I : Director of Preparedness of the National Disaster Management Agency</p> <p>C. Deputy Chairman II : Director of Disaster and Fire Management at the Ministry of Home Affairs</p> <p>D. Deputy Chairman III : Head of Bureau for Legal and Organization of the Agency for Meteorology, Climatology, and Geophysics</p> <p>E. Members:</p> <p>1. The Agency for Meteorology, Climatology, and Geophysics</p> <p>a. Head of Center for Engineering Seismology, Potential Geophysics, and Time Code</p> <p>b. Head of Regional Office for Meteorology, Climatology and Geophysics of Region II Tangerang</p> <p>c. Head of Regional Office for Meteorology, Climatology and Geophysics of Region III Denpasar</p> <p>d. Dr. Daryono, S.Si., M.Si.</p> <p>e. Iman Fachturochman, S.Si., M.DM.</p> <p>f. Anni Arumsari Fitriany, S.Si.</p> <p>g. Ajat Sudrajat, M.Sc.</p> <p>h. Suci Dewi Anugrah, S.Si., M.Si.</p> <p>i. Weniza, S.Kom., M.Sc.</p> <p>j. M. Ikhsan, S.T.</p> <p>k. Teguh Rahayu, S.Kom., M.M.</p> <p>l. Suwardi, S.Si.</p> <p>m. Mamuri</p> <p>n. Setyoajie Prayodhie, S.T., M.DM.</p> <p>2. National Disaster Management Agency:</p> <p>a. Directorate of Preparedness</p> <p>b. Directorate of Early Warning</p> <p>3. Ministry of Home Affairs:</p> <p>Directorate of Disaster and Fire Management</p> <p>4. Indonesian Institute of Sciences</p> <p>Dr. Nursini Rahma Hanifa, Ph.D.</p> <p>5. Regional Disaster Management Agency (BPBD)</p> <p>a. Executive Head of BPBD of Banten Province</p> <p>b. Executive Head of BPBD of West Java Province</p> <p>c. Executive Head of BPBD of DIY Province</p> <p>d. Executive Head of BPBD of East Java Province</p> <p>e. Executive Head of BPBD of Bali Province</p> <p>f. Executive Head of BPBD West Sumatra Province</p> <p>g. Executive Head of BPBD of Pangandaran Regency</p> <p>h. Executive Head of BPBD of Sukabumi Regency</p> <p>i. Executive Head of BPBD of Garut Regency</p> <p>j. Executive Head of BPBD of Cianjur Regency</p> <p>k. Executive Head of BPBD of Tasikmalaya Regency</p> <p>l. Executive Head of BPBD of Lebak Regency</p> <p>m. Executive Head of BPBD of Kulon Progo Regency</p> <p>n. Executive Head of BPBD of Gunung Kidul Regency</p> <p>o. Executive Head of BPBD of Wonogiri Regency</p> <p>p. Executive Head of BPBD of Malang Regency</p> <p>q. Executive Head of BPBD of Badung Regency</p> <p>r. Executive Head of BPBD of Karang Asem Regency</p> <p>6. Institut Teknologi Bandung/Bandung Institute of Technology:</p> <p>a. Dr. Harkunti Pertiwi Rahayu</p> <p>b. Dr. Endra Gunawan</p> <p>c. Dr. Rer. Nat. Wiwin Windupranata</p> <p>d. Dr. Hamzah Latif</p> <p>7. Indonesian Association of Disaster Experts</p> <p>Representatives of members of the Indonesian Association of Disaster Experts</p> <p>8. U-INSPIRE Indonesia:</p> <p>Representatives of U-INSPIRE Indonesia members</p>		

<sup>1</sup> Add as many entries as needed.

National Tsunami Ready Recognition	
Nationally recognized as Tsunami Ready Community	January 13 <sup>th</sup> 2022

UNESCO/IOC ICG Technical Secretary contacted:	ICG/IOTWMS Mr. Rick Bailey
UNESCO/IOC Tsunami Information Centre	Indian Ocean Tsunami Information Centre (IOTIC) Mr. Ardito M. Kodijat
Please add any important information:	

Tsunami Ready Recognition Programme Fulfilment of the Indicators Initial Recognition of Renewal		
<input checked="" type="checkbox"/> New Recognition	<input type="checkbox"/> Renewal Recognition	
I. ASSESSMENT Indicators (Assess)		
Assess-1	Tsunami hazard zones are mapped and designated.	<input checked="" type="checkbox"/> Verified
<input checked="" type="checkbox"/> Inundation modelling for maps		<input checked="" type="checkbox"/> Baseline tsunami zone for maps
Assess-2	The number of people at risk in the tsunami hazard zone is estimated	<input checked="" type="checkbox"/> Verified
<input checked="" type="checkbox"/> Approx. Number of people with disabilities		<input checked="" type="checkbox"/> Approx. Number of elderlies
<input checked="" type="checkbox"/> Approx. Number of young		<input checked="" type="checkbox"/> Approx. Number of workers
<input checked="" type="checkbox"/> Approx. Number of tourists		<input checked="" type="checkbox"/> Other (specify): Approx. Number of daytime and night-time
<input checked="" type="checkbox"/> Approx. Number of daytime population		<input checked="" type="checkbox"/> Approx. Number of night-time population(summer)

Verification Team/Renewal Notes <b>IOTIC verification visit notes</b> The Glagah Disaster Risk Reduction Forum (FPRB) to pay attention to places where people gather (markets, schools, health centres, tourist areas, etc.) in the potential inundated areas, especially the beach in the Laguna area. The Disaster Risk Reduction Forum (FPRB) to support the local government and the Yogyakarta International Airport (YIA) to develop the coastal area on the southern part of the airport as the green belt, this will avoid the increase of people living at tsunami risk area.  The FPRB ensure that population data is regularly updated and to segregate the population data in the tsunami inundation area based on age and vulnerable people (with special needs) as well as to have the information on where they live. The FPRB is also advised to update post-COVID-19 tourist visitor data and take steps to improve emergency preparedness and response for tourists by collaborating with the Local Department of Tourism.		
<b>Assess-3</b>	<b>Available economic, infrastructural, political, and social resources are identified</b>	<input checked="" type="checkbox"/> Verified
<input checked="" type="checkbox"/> Volunteer organizations	<input checked="" type="checkbox"/> Local or national budget	
<input checked="" type="checkbox"/> Buildings and public spaces	<input checked="" type="checkbox"/> Local plans	
<input checked="" type="checkbox"/> Local networks		
Verification Team/Renewal Notes <b>IOTIC verification visit notes</b> The Glagah Village FPRB to identify and clearly define the roles and responsibilities of external resources (Army post, Police post) in supporting tsunami risk reduction and emergency response plans. Given the important role of the Local Department of Tourism, to ensure disaster risk reduction in tourist coastal areas, the Glagah Village FPRB to directly engage and include them in all the DRR activities. The FPRB to reconsider re-locate the health centre and the disaster response and SAR office from the inundated area.		

II. PREPAREDNESS Indicators			
<b>Prep 1</b>	<b>Easily understood tsunami evacuation maps are approved.</b>		<input checked="" type="checkbox"/> Verified
	<input checked="" type="checkbox"/> Print	<input checked="" type="checkbox"/> Digital media	<input checked="" type="checkbox"/> Other (boards)
<b>Prep 2</b>	<b>Tsunami information including signage is publicly displayed</b>		<input checked="" type="checkbox"/> Verified
<input checked="" type="checkbox"/> Tsunami hazard zone signs	<input checked="" type="checkbox"/> Entering/leaving tsunami hazard zone signs	<input checked="" type="checkbox"/> Evacuation routes signs	
<input checked="" type="checkbox"/> Assembly areas signs	<input checked="" type="checkbox"/> Tsunami response education signs		
<input checked="" type="checkbox"/> How to response	<input checked="" type="checkbox"/> Others: Evacuation Map		

Verification Team/Renewal Notes		
<b>IOTIC verification visit notes</b> <p>The Glagah Village to work with the Kulonprogo Disaster management Office and the Yogyakarta Province to consider and to propose build a Tsunami Evacuation Shelter (TES) in the tourist beach in the Laguna area, The TES can be multifunctional for traditional market and the disaster response and SAR office.</p> <p>The FPRB to continue to disseminate information to the public, especially to tourists. The FPRB to work with the Local Department of Tourism to take steps to effectively socialize the evacuation map and disseminate information to tourists, for example using the Public Announcement system, etc.</p> <p>Information on evacuation routes and the estimated time for the community to reach each temporary evacuation shelter site must be written in the contingency plan document.</p> <p>The FPRB to increase the number and improve the evacuation signages to be more permanent and in accordance with the national standards (mentioning the TES or TEA location and distance). To add more of the tsunami hazard information boards and evacuation maps in tourist beach areas.</p>		
<b>Prep 3</b>	<b>Outreach and public awareness and education resources are available and distributed.</b> <b>Distribution should use <u>three or more</u> wide-reaching diverse methods.</b>	<input checked="" type="checkbox"/> Verified
<input checked="" type="checkbox"/> Brochures/flyers distributed at public venues	<input checked="" type="checkbox"/> Websites/social media	
<input type="checkbox"/> Local faith-based and civic organization bulletins/mailings	<input checked="" type="checkbox"/> Billboard, roadside, highway, or educational signs	
<input type="checkbox"/> Local radio and television	<input type="checkbox"/> Public utility/service industry bill safety notices	
<input type="checkbox"/> Bulk email	<input type="checkbox"/> Historical markers and interpretive signs	
<input type="checkbox"/> Newspaper Inserts	<input checked="" type="checkbox"/> Other: <u>Whatsapp Group</u>	
Area of Distributions		
<input checked="" type="checkbox"/> Schools	<input checked="" type="checkbox"/> Community Centres	
<input checked="" type="checkbox"/> Visitor Centre and Local Tourist Business e.g. restaurant, bars	<input type="checkbox"/> Child Care Centres	
<input type="checkbox"/> Hotels, motels. And campgrounds	<input type="checkbox"/> Banks	
<input checked="" type="checkbox"/> Marine Recreation Centres	<input type="checkbox"/> Health Centres	
<input checked="" type="checkbox"/> Recreation Centres	<input type="checkbox"/> Port of Entrys	
<input checked="" type="checkbox"/> Information Centres	<input type="checkbox"/> Utilities Companies	
<input type="checkbox"/> Public Libraries	<input checked="" type="checkbox"/> Others: <u>villages office, airport</u>	
<b>Prep 4</b>	<b>Outreach or educational activities are held at least 3 times a year.</b>	<input checked="" type="checkbox"/> Verified
<input checked="" type="checkbox"/> Leverage of national, state, or regional campaigns through use of social media		



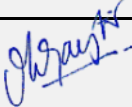
<input checked="" type="checkbox"/>	Multi-hazard events or presentations
<input checked="" type="checkbox"/>	Booth at community events and/or county fairs
<input checked="" type="checkbox"/>	Community tsunami safety workshops, town hall, or similar public/private meetings
<input type="checkbox"/>	Media workshops
<input checked="" type="checkbox"/>	Door to door safety campaigns targeted to people leaving or working in the tsunami hazard zone
<input type="checkbox"/>	Other:
<b>Prep 5</b>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div><b>A community tsunami exercise is conducted at least every two years.</b></div> <div><input checked="" type="checkbox"/> Verified</div> </div>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Table top exercise <input checked="" type="checkbox"/> Functional exercise    Full-scale exercise
<p>Verification Team/Renewal Notes</p> <p><b>IOTIC verification visit notes</b></p> <p>To increase the use of social media (Instagram, Facebook, Twitter) not only to promote activities and tourist areas, but also to include information, education, and tsunami hazard awareness. The FPRB Glagah sub-district should work cooperate with youth in the village to support FPRB by posting at least 10-20 educational materials, and tsunami hazard awareness on social media every month. Materials can use existing materials from BMKG, BPBD, UNESCO, U-INSPIRE, Siaga.Com, etc.</p> <p>The Glagah FPRB to be more active in carrying out tsunami hazard awareness and education activities to the community, especially for tourists. Recommended to use the Public Information / Announcements on the beach to inform on what to do and direction of tsunami evacuation regularly (i.e every hours or so).</p> <p>The FPRB to continue to work with the village disaster component (SAR Sigap, KSB, FPRB, Linmas, PKK, Karang Taruna, BMKG, YIA, Schools, Navy, TRC, YIA Airport) to carry out the annual exercise activity and also involve the community and tourists (as far as possible) so that everyone know the evacuation conditions when there are many tourists.</p>	

III RESPONSE Indicators (Resp)		
<b>Resp 1</b>	<b>A community tsunami emergency response plan is approved.</b>	<input checked="" type="checkbox"/> Verified
<input checked="" type="checkbox"/>	Identify tsunami as a hazard and provides risk assessment	
<input checked="" type="checkbox"/>	Present tsunami-hazard profile, including source locations, extend of inundation, run-up, previous or future tsunamis	
<input checked="" type="checkbox"/>	Describe community vulnerability	
<input checked="" type="checkbox"/>	Details 24-hour warning point procedures	
<input checked="" type="checkbox"/>	Specify emergency operations center (EOC) activation criteria	
<input checked="" type="checkbox"/>	Specify tsunami criteria and procedures for the activation of the public warning system	

<input checked="" type="checkbox"/>	Provide contact information for all jurisdictional agencies and response partners	
<input checked="" type="checkbox"/>	Include evacuation plans for tsunamis, roles of community entities/agencies, maps and protocols	
<input checked="" type="checkbox"/>	Include procedures for updating information and determine when evacuated zones are safe	
<input checked="" type="checkbox"/>	Include procedures for providing security for the evacuated zone(s)	
<input checked="" type="checkbox"/>	Include procedures for reporting tsunami impacts in the community	
<input checked="" type="checkbox"/>	Include schools and critical facilities in the emergency operations plan	
<b>Resp 2</b>	<b>The capacity to manage emergency response operations during tsunami is in place.</b>	<input checked="" type="checkbox"/> Verified
<input checked="" type="checkbox"/>	Has 24-hour operations or plan to activate an EOC for tsunami incidents	
<input checked="" type="checkbox"/>	Has warning reception and dissemination capability	
<input checked="" type="checkbox"/>	Has ability and authority to activate the public warning system in its area of responsibility	
<input checked="" type="checkbox"/>	Maintains the ability to communicate within and across jurisdictions	
<input checked="" type="checkbox"/>	Maintains established communication links with NTWC and/or Emergency or Disaster Management Office to support the warning decision making process	
<input checked="" type="checkbox"/>	Has capacity to manage evacuations and respond to the consequences of a tsunami	
<p>Verification Team/Renewal Notes</p> <p><b>IOTIC verification visit notes</b></p> <p>It is recommended in the operational plan document: The SOP for early warning and evacuation of the tsunami earthquake should be earlier than the SOP for handling the tsunami disaster. In order to adopt the SOP for the evacuation process for emergency response based on BMKG early warning by delegating decision-making to evacuation orders and for evacuation based on self-evacuation protocol. To elaborate the SOP on who does what and when. There should be a community evacuation team and the SOP should be made for the different team / division. Emergency Operation Plan of the village must be informed and approved by the BPBD and must also be shared to the YIA Airport managing the evacuation during emergency.</p> <p>The FPRB, SAR Sigap, KSB, Linmas, PKK, Karang Taruna to continue to increase capacity in carrying out management and evacuation procedures during tsunami early warning emergencies especially in coordinating with the team at YIA.</p>		
<b>Resp 3</b>	<b>Redundant and reliable means to timely receive 24-hour official tsunami alerts are in place (At least three methods).</b>	<input checked="" type="checkbox"/> Verified
<input type="checkbox"/>	Public Alert Radio Systems (RDS, NWR, etc)	<input checked="" type="checkbox"/> Local radio: Emergency Alert System, LP1/LP2
<input type="checkbox"/>	National/Territorial warning call out tree system	<input checked="" type="checkbox"/> Active Internet monitoring capability
<input checked="" type="checkbox"/>	Instant messaging programs available via Internet	Direct email from National Tsunami Warning Center or Tsunami Warning Focal Point or Disaster management Office or Other official source
<input checked="" type="checkbox"/>	Amateur Radio transceiver: Potential communications directly to National Tsunami Warning Center or Tsunami Warning Focal Point or	Direct fax from National Tsunami Warning Center or Tsunami Warning Focal Point or Disaster management



Disaster Management Office or Other official source		Office or Other official source
<input type="checkbox"/> Alerts provided through a third-party provider: Typically received via phone, email and/or a texting service to a smartphone, tablet, or computer		<input checked="" type="checkbox"/> Text message or direct pager from from National Tsunami Warning Center or Tsunami Warning Focal Point or Disaster management Office or Other official source
<input type="checkbox"/> Amateur radio transceiver		<input type="checkbox"/> Coast Guard (CG) broadcasts
<input type="checkbox"/> Third-party alert provider		<input checked="" type="checkbox"/> Other: Whatsapp Groups, BMKG Mobile Application, BMKG Cloud Based Warning Receiver System, WRS New Generation at YIA
<b>Resp 4</b>	<b>Redundant and reliable means to timely disseminate 24-hour official tsunami alerts to the public are in place (At least three methods).</b>	<input checked="" type="checkbox"/> Verified
<input type="checkbox"/> EAS message initiation and broadcast		<input checked="" type="checkbox"/> Amateur radio operator network (ham radio)
<input type="checkbox"/> Cable TV audio/video overrides		<input type="checkbox"/> Telephone mass notification system
<input type="checkbox"/> Local flood warning system		<input checked="" type="checkbox"/> Call out tree
<input checked="" type="checkbox"/> Plan for siren/megaphones on emergency vehicles		<input type="checkbox"/> Coordinated jurisdiction-wide radio network
<input checked="" type="checkbox"/> Outdoor warning siren(s)		<input type="checkbox"/> Countywide communications network
<input checked="" type="checkbox"/> Local alert broadcast system		<input checked="" type="checkbox"/> Social media (Twitter, Facebook)
<input type="checkbox"/> Local pager/texting system		<input type="checkbox"/> Lifeguards on beaches and on patrol
<input checked="" type="checkbox"/> Other: Kentongan, Whatsapp Groups		
Verification Team/Renewal Notes <b>IOTIC verification visit notes</b> The FPRB to continue to improve the ability to receive early warnings such as ensuring there is a generator set in the FPRB room. Ensure that all members of the Sigap SAR, KSB, FPRB, Linmas, PKK, Karang Taruna install the WRS Apps Based application by turning on the Notifications.  BMKG is developing and testing the Evacuation Siren (SIRITA) mobile application. This application will be an effective device as a substitute for Siren. It is recommended that members of the Sigap SAR, KSB, FPRB, Linmas, PKK, Karang Taruna install the SIRITA application.		

Signature of Applying Official			
Office Name	Glagah Village Office		
Application Submitted by (name of applicant)	Sigit Pramono	Title	Secretary of Glagah Village
Signature		Date	12 December 2021
Print name of the authority receiving application / Chair of the Tsunami Ready Board	Prof. Dwikorita Karnawati	Date Received	12 December 2021
Site Verification Team Signatures (to be signed by the members of the Tsunami Ready verification team)			
Print Name	Ardito M Kodijat		
Office	UNESCO/IOC Indian Ocean Tsunami Information Centre / UNESCO Office Jakarta	Title	Head of IOTIC / Professional Officer UNESCO Office Jakarta
Signature		Date	26 September 2022
Print Name	Hidayanti		
Office	The Agency for Meteorology, Climatology, and Geophysics	Title	Staff of Earthquake Mitigation
Signature		Date	26 September 2022

Signature in Renewal Year			
Office			
Application Submitted by (name of applicant)		Title	
Signature		Date	