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Information bulletin

Flooding and Landslides Across Indonesia, January 2021



International Federation
of Red Cross and Red Crescent Societies

Glide n° FL-2021-000004-IDN	Date of issue: 16 January 2021
Location and Date of disaster: <ul style="list-style-type: none">Lhokseumawe (Aceh), 4 January 2021Langsa (Aceh), 4 January 2021Malang (East Java), 10 January 2021Sembakung (N. Kalimantan), 10 January 2021Bima, (West Nusa Tenggara), 10 January 2021Sumedang (West Java), 10 January 2021Solok (West Sumatra), 12 January 2021Tanah Laut (S. Kalimantan), 12 January 2021Banjar (S. Kalimantan), 12 January 2021Bandung (West Java), 13 January 2021	Point of contact: Arifin M. Hadi, Head of Disaster Management Division Indonesian Red Cross Ruth Lane, Program Coordinator, IFRC CCST for Indonesia and Timor Leste
Operation start date: N/A	
Host National Society: Palang Merah Indonesia (Indonesian Red Cross)	
Number of people affected: 149,550 people	

This bulletin is issued for information only and reflects the current situation and details available at this time. The Indonesian Red Cross – Palang Merah Indonesia (PMI), with the support of the International Federation of Red Cross and Red Crescent Societies (IFRC), are continuing to monitor and respond to the situation with local and national resources. The Palang Merah Indonesia is currently requesting for DREF to support its operation in South Kalimantan and West Sumatra.

Situation Updates

Indonesia's Meteorological, Climatological, and Geophysical Agency predicts the peak of La Nina to occur in December 2020 and January 2021.¹ The peak of La Nina coincides with the peak of rainy season which usually occurs between January and February.² The agency also states that this phenomenon could increase precipitation which triggers heavy rainfall across the country.³ During this period, Indonesia frequently suffers flood and landslides. As of January 14, 2021, several provinces in the country had reported floods and landslides since the beginning of the year.

Flooding in Lhokseumawe and Langsa, Aceh province, 4 January 2021

Excessive rainfall since Saturday, 2 January 2021, caused Kareung Pase river to overflow, flooding several areas in Lhokseumawe and Langsa.⁴ The flood had caused four sub-districts namely Blang Mangat, Banda Sakti, Muara Dua, and Muara Satu to be inundated with floodwater ranging from 60-70 cm. As a result, hundreds of people from 171 households were temporarily displaced. Flooding also inundated hundreds of houses in the affected areas. In Langsa, flooding inundated four sub-districts namely Langsa Barat, Langsa Lama, Langsa Baro, and Langsa Timur. Approximately 9,448 people who reside in the four sub-districts were affected. The flood has

¹ Antaranews.com, 13 October 2021. *BMKG: Waspadai Puncak La Nina Saat Musim Hujan Desember-Januari*. Available at: <https://www.antaranews.com/berita/1780289/bmkg-waspadai-puncak-la-nina-saat-musim-hujan-desember-januari>

² Medcom.id, 13 October 2021. *Peak of La Nina is Predicted to Occur in December: BMKG*. Available at: <https://www.medcom.id/english/national/xkEyEm3k-peak-of-la-nina-is-predicted-to-occur-in-december-bmkg>

³ Thejakartapost.com, 3 October 2020, *La Nina to Cause Heavy Rainfall Across Indonesia until February: Weather Agency*. Available at: <https://www.thejakartapost.com/news/2020/10/03/la-nina-to-cause-heavy-rainfall-across-indonesia-until-february-weather-agency.html>

⁴ Indonesian RC Situation Report on Flooding in Langsa and Lhokseumawe dated 4 January 2021.

receded, however, several Langsa areas inundated again on 12 January 2021.

Indonesia's Meteorological, Climatological, and Geophysical Agency predicts rain is still going to occur on 13-15 January 2021. The agency also categorizes several districts in the province —Aceh Barat Daya, Aceh Selatan, Aceh Tenggara, and Gayo Lues— as high-risk flood areas.⁵ Meanwhile, Indonesia's Center for Volcanology and Geological Hazard Mitigation lists several districts in the province —Aceh Tamiang, Aceh Selatan, Aceh Timur, and Gayo Lues, and Nagan Raya— as high-risk landslides areas.⁶



Situation of Flooding in Langsa, Aceh

Flash Flooding in Malang District, East Java Province, 8 January 2021⁷

Heavy rainfall caused flash flood affected four villages —Pandansari, Ngantru, Sidodadi⁸, and Pondok Agung— in Ngantang and Kasembon sub-districts⁹.

In Ngantang, roads and 40 hectares of farmland were inundated in flood.¹⁰ A connecting bridge in Sidodadi village made inaccessible because it was covered in wood materials and sand. The flash flooding also destroyed water piping system in the area. As a result, hundreds of people in the village lost their access to clean water. Until now, Malang's Disaster Management Agency assists the villagers by supplying clean water using water truck.

In another sub-district, Kasembon, flash flooding damaged a 15-meter bridge in Pondok Agung village. With the bridge gone, thousands on people in the village isolated.¹¹ At the moment, police, armed forces, and disaster management agency work together to construct emergency road.

Malang's Disaster Management Agency set up four posts during the response in high-risk areas to prepare for more flooding. The agency also revealed some areas that have the highest risk of flooding and landslides.¹²



Flash Flooding in Malang, East Java. (Photo: PMI)

⁵ Bnrb.go.id, 12 January 2021, *Hujan Intensitas Tinggi Picu Banjir Kota Langsa*. Available at: <https://bnrb.go.id/berita/hujan-intensitas-tinggi-picu-banjir-kota-langsa>

⁶ *Ibid.*

⁷ Indonesian RC Situation Report on Flash Flooding in Malang, East Java, 6 January 2021.

⁸ Timesindonesia.co.id, 13 January 2021. *BPBD Kabupaten Malang Dropping Air Bersih ke Ratusan Korban Banjir Bandang Ngantang*. Available at: <https://www.timesindonesia.co.id/read/news/321194/bpbd-kabupaten-malang-dropping-air-bersih-ke-ratusan-korban-banjir-bandang-ngantang>

⁹ Jatim.inews.id, 7 January 2021. *Jembatan 15 Meter di Malang Putus Diterjang Banjir, 7.450 Warga Terisolasi*. Available at: <https://jatim.inews.id/berita/jembatan-15-meter-di-malang-putus-diterjang-banjir-7450-warga-terisolasi>

¹⁰ *Loc.Cit.*

¹¹ *Loc.Cit.*

¹² Nusadaily.com, 13 January 2021, *BPBD Kabupaten Malang Dirikan 4 Pos untuk Antisipasi Banjir*. Available at: <https://nusadaily.com/regional/bpbd-kabupaten-malang-dirikan-4-pos-untuk-antisipasi-banjir.html>

Flooding in Nunukan District, North Kalimantan, 8 January 2021¹³

Heavy rainfall intensity since Sunday, 3 January 2021, caused Sembakung river to overflow and flooding the sub-district of Sembakung, Nunukan, North Kalimantan. **64 households** were affected. Several facilities such as roads and places of worship were flooded.

Flooding in Bima, West Nusa Tenggara, 10 January 2021

Excessive rainfall since Tuesday, 5 January 2021, caused flooding in Langgudu and Sanggar sub-districts in Bima. The water level ranges from 70-100 cm. **2 casualties** were reported, and **89 households** were affected. At the moment, the flood has started to recede.



Flooding in Banjar: Indonesian RC personnel support the evacuation efforts. (Photo: PMI)



Flooding in Hulu Sungai Selatan: Indonesian RC personnel distribute ready meals. (Photo: PMI/Radio Elshinta)

¹³ Indonesian RC Situation Report on Flooding in Nunukan, North Kalimantan, 8 January 2021.



Flooding in Hulu Sungai Selatan: an RC volunteer caring for a survivor. (Photo: PMI/Radio Elshinta)



Flooding in Hulu Sungai Selatan: Indonesian RC team coordinates with Disaster Management Agency. (Photo: PMI)



Flooding in Banjar: Evacuation efforts by Indonesian RC team. (Photo: PMI)

Landslides in Sumedang District, West Java Province, 11 January 2021

Heavy rainfall on Saturday, 9 January 2021, triggered landslides at Cihanjuang village in Sumedang District, West Java province. The first landslide occurred at 16.00 Western Indonesia Time (GMT+7). The landslide swept through residential areas, burying houses and dozens of villagers. A second landslide occurred at 19.30 Western Indonesia Time (GMT+7) while rescuers were still searching and evacuating affected people around the first landslide area. As of Monday, 11 January 2021, dozens are still missing. The evacuation process has been ongoing until the time of reporting, involving 900 personnel from various agencies.

In response to the incident, Indonesia's National Disaster Management Agency and Sumedang's district government are planning to relocate villagers since the affected areas is no longer safe to be used as residential areas. Indonesia's Meteorological, Climatological, and Geophysical Agency also forecasted that light to high intensity rain will still occur in the affected areas tomorrow.

In terms of impact, at least 3,335 households/10,493 people who live in the proximity of the landslide area were affected. At least 200 households that reside very close to the landslide area have been relocated from the sites to a safer location. Property damage and casualties were reported. At least 34 houses were destroyed. The death toll is yet to be confirmed, although some initial casualties were reported. The latest update has recorded that around 19 people were found dead, rescuers are believed to be among those killed. Approximately 25 people were injured, while 27 others are still missing.

The government has responded to the disaster, by deploying a number of staff and mobilising assistance. Indonesia SAR agency coordinates the search and evacuation efforts. Other agencies such as the armed forces, police, Sumedang's Regional Disaster Management Agency are involved as part of the search team. Sumedang's Regional Disaster Management Agency and Department of Social Services operated emergency field kitchen to feed the affected populations. Sumedang's district government has declared *Tanggap Darurat Bencana* (disaster emergency alert) for Cimanggung and Jatinangor sub-districts until 29 January 2021.

Meanwhile, PMI Sumedang District had led a response operation, with technical support from the PMI West Java. They deployed personnel to conduct field assessment and evacuation. Health care service and restoring family links (RFL) services were operated. PMI NHQ has deployed an All-Terrain Tracked Carrier (ATTC) to join the search party. IFRC maintains close coordination with PMI NHQ to ensure accurate information exchanges and remain on stand-by to provide support when needed.



PMI Sumedang District with technical support from the PMI West Java. They deployed personnel to conduct field assessment and evacuation. (Photo: PMI)

Flooding in Solok, West Sumatra, 12 January 2021

Excessive rainfall since Monday, 11 January, caused Batang Lembang river to overflow, flooding residential areas in 9 sub-districts in Solok, West Sumatra on **12 January**. Volunteers from the Office of Social Affairs and other agencies have started cleaning up public facilities in the affected areas.

Approximately 3,000 households or 7,500 people were affected, with 1,000 people evacuated to temporary shelters. At least 1,000 houses were inundated.

The local government had carried out field assessments and ensured the coordination of the assisting actors and stakeholders. They also operated emergency field kitchen to provide meals for the affected populations.

PMI Solok Branch has mobilized 28 personnel in response to the floods, to conduct field assessment and assist the evacuation efforts. PMI is also operating an emergency field kitchen and maintaining close coordination with the relevant government. In parallel, IFRC also established close coordination with PMI NHq to ensure accurate information exchange.

Flooding across South Kalimantan Province, up to 14 January 2021:

Heavy rainfall that started in the first week of January, caused Martapura and Riam river to overflow, flooding several sub-districts in Banjar District on **January 12**, leaving 5 sub-districts inundated including; Karang Intan, East Martapura, Martapura, Astambul, Sungai Pinang, Pengaron and Tabuk River with water level of 20-100 cm.

Heavy rainfall has also been occurring in **Tanah Laut District** since 7 January 2021. The situation worsened significantly on the **January 14** due to the ongoing high tide causing flooding that affected nine sub-districts (Pelaihari, Bati-bati, Kurau, Bumi Makmur, Tambang Ulang, Bajuin, Takisung, Jorong, and Kintap). In some areas the water level reached 150 cm. On the same date (January 14), the flooding widened to **Tapin District, Banjarbaru City, Balangan, Hulu Sungai Tengah District and Hulu Tengah Selatan District**. Flooding in Tapin Regency was observed at 01.00 local time, occurred in Binuang Subdistrict, Raya Belanti Village.

In Balangan district, floods occurred because of the overflowing of the Balangan and Pitap Rivers, affecting Tebing Tinggi sub-District (Mayanau Village, Gunung Batu, Sungsum, Ju'u h, Bumbu'an Simpang, Simpang Nadung and Tebing Tinggi), and Awayan sub-district (Putat Basiun Village, Awayan Market, Badalungga, Badalungga Hilir, Pulantan and Muara Jaya). In Banjarbaru, flooding is caused by high intensity rain which overflowed the Kemuning River. Flooding was observed at around 01.10 local time with a water level of 50 - 90 cm. Two sub-districts affected in this regency are Kemuning Village (Banjarbaru sub-district) and Guntung Payung Village (Landasan Ulin sub-district).

In Hulu Sungai Tengah District, flooding occurred on Wednesday (13/1), at 23.00 local time. Two sub-districts were inundated, namely Barabai and Hantakan. Flooding also occurred in Hulu Tengah Selatan district, inundated 6 sub-districts; Loksado, Padang Batung, Kandangan, Angkinang, Telaga Langsung and Sungai Raya, with water levels reaching 150 cm. The water level is still increasing due to recurring rain up to the time of the reporting. According to BPBD Kota Banjarbaru, the flood has receded at several points. The total result of the incident was **17,193 families / 59,710 people affected**, 9,996 housing units submerged, and 116 people displaced, with details as follows:

- 1,708 families or 5,919 people were affected in Balanga. 1,685 houses that were flooded.
- 121 families / 323 people in Banjar Baru.
- 5,668 families / 18,684 people in Tanah Laut. In addition, 5,418 housing units submerged, the Trans Kalimantan Access Route inundated 3 km, 2 reported fatalities, Most people are still staying at home 68 people have been evacuated to temporary shelters. Several public facilities such as schools, places of worship, hospitals, and markets inundated. Several roads are also completely submerged in water.
- In Banjar, a total of 8,696 families / 34,784 people have been affected and 1,893 housing units inundated. Approximately 8,191 people have been evacuated to six temporary shelters:
 - Tanjung Rema : 100 people
 - Jati Baru : 1,984 people
 - Pingaron Ulu : 1,600 people
 - Martapura City : 290 people
 - Pingaron Ulu : 100 people
 - Karang Intan : 4,107 people
- In Hulu Tengah Selatan, 1,000 families / 1,000 submerged housing units

PMI Branch in Banjar has deployed 84 personnel. PMI assists evacuation efforts, distributes ready meal, provides health services, and conducts field assessment. PMI Branch in Tanah Laut has deployed 53 personnel. In Tanah Laut, PMI assists evacuation efforts, conducts field assessment, distributes relief items and clean water, and operates field kitchen. PMI has distributed 7,600 ready meals, 30 blankets, 30 mattresses, 72 hygiene parcels, 14 tarpaulins, and 5,000 liters of clean water.

Government agencies have been responding to situation in the affected areas. Disaster Management Agency and armed forces led the evacuation efforts, the police help by collecting data and information, the office of social affairs operates field kitchen, while the health office provides health services. As of 14 January 2021, Governor of South Kalimantan has declared disaster emergency alert.

Floods in Bandung District, West Java Province, 13 January 2021

Due to high intensity rainfall on Sunday (10/01) Citarum river overflowed and caused flood around the area. Based on the Regional Disaster Management Authority (Badan Penanggulangan Bencana Daerah or BPBD) report, there are 4 sub-districts namely Soreang, Dayeuhkolot, Baleendah and Bojongsoang sub-districts inundated by the flood.

Based on the assessment report, there are 20,409 household or 66,400 people affected by the flood. In additions, 28 schools and 46 praying facilities affected by the flood. Several communities from Dayeuhkolot are started to evacuate themselves to evacuation center. However, BPBD are still assessing the needs and supporting the evacuation center.

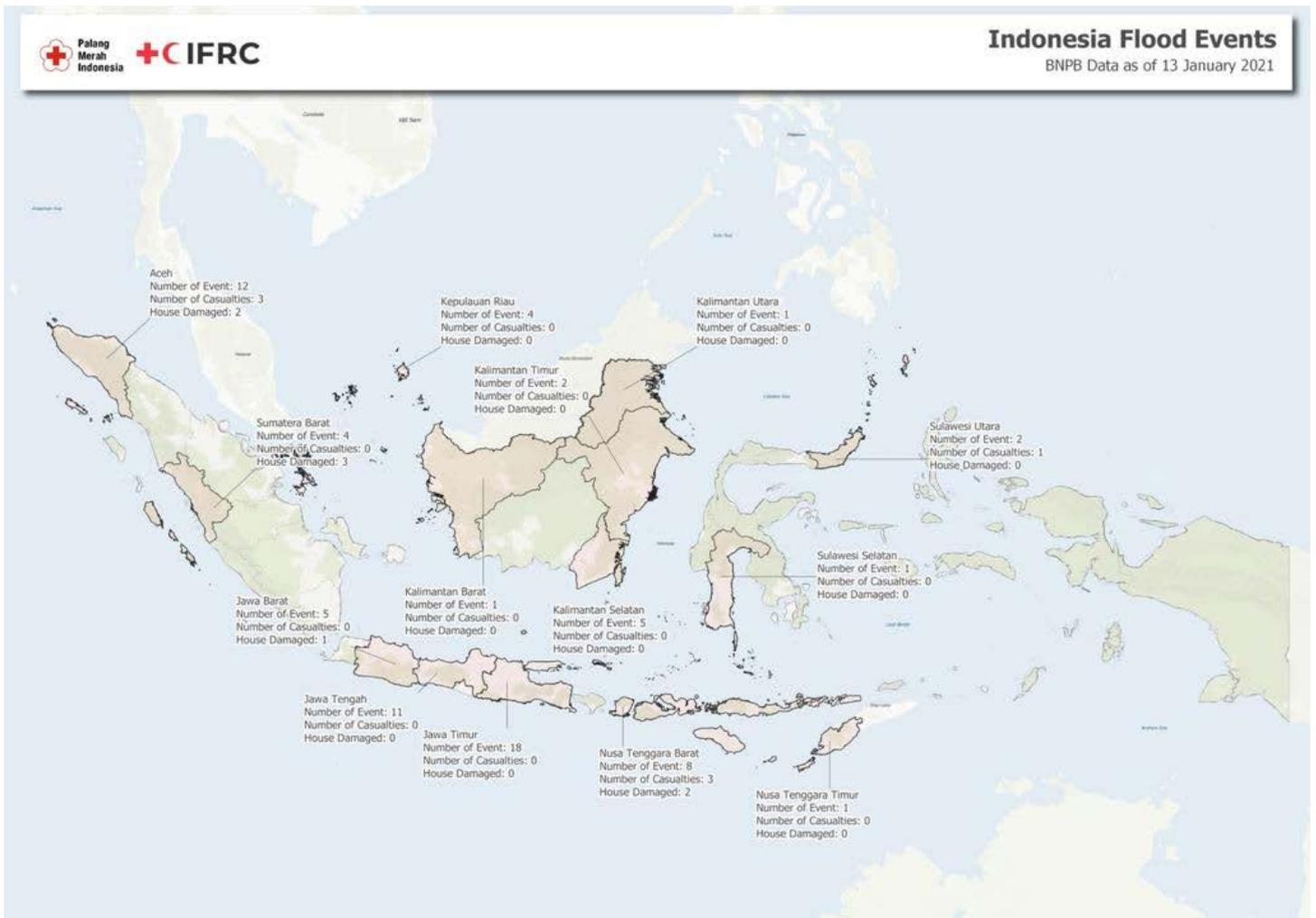
Immediate needs

Based on initial information updates from BNPB and PMI POSKO, the current immediate needs are clean water, emergency tents for displacement, tarpaulins, blanket, mattresses, medicines, food items, family and baby kits, emergency lamps, cleaning tools and hygiene kits. The adjustment of emergency response to the Covid-19 pandemic is urgently needed, including to provide short trainings to the volunteers working in the ground.

Red Cross and Red Crescent action

IFRC Country Cluster Support Team (CCST) in Jakarta is providing technical support to PMI, monitoring and analysing disaster impact, supporting communications and media relation needs as well as maintaining close coordination with BNPB, HCT and other humanitarian actors to monitor and responding to the needs on the ground.

Map of the Affected Areas



Contact information

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How we work

All IFRC assistance seeks to adhere to the [Code of Conduct](#) for the International Red Cross and Red Crescent Movement and Non-Governmental Organizations (NGOs) in Disaster Relief and the [Humanitarian Charter and Minimum Standards in Humanitarian Response \(Sphere\)](#) in delivering assistance to the most vulnerable. The IFRC's vision is to inspire, **encourage, facilitate and promote at all times all forms of humanitarian activities** by National Societies, with a view to **preventing and alleviating human suffering**, and thereby contributing to the maintenance and promotion of human dignity and peace in the world.

The IFRC's work is guided by Strategy 2020 which puts forward three strategic aims:



Save lives,
protect livelihoods,
and strengthen recovery
from disaster and crises.



Enable **healthy**
and **safe** living.



Promote **social inclusion**
and a culture of
non-violence and **peace**.
