Preparing for a flood

Typhoon

A typhoon is a tropical cyclone generated in the northwestern Pacific Ocean or South China Sea that has a maximum wind speed (average of 10 minutes) in the low pressure area of at least 17 m/s. The scale is determined by the radius of the area of 30 kt winds or more (the area where wind is blowing at a wind speed of 15 m/s or more, or the area where such winds potentially blow if there is no influence of topography), and the intensity is shown as the “maximum wind speed.”

〈Typhoon scale and class category〉

Class	Radius of area with wind speeds of 15 m/s or more
Large	500km - 800km
Very Large	Over 800km

(by the Japan Meteorological Agency (JMA))

〈Typhoon intensity and class category〉

Class	Maximum wind speed
Strong	33m/s - 44m/s
Very Strong	44m/s - 54m/s
Violent	Over 54m/s

(by the Japan Meteorological Agency (JMA))

Torrential rain

Torrential rain is a phenomenon in which a huge amount of rain falls on a small area. Damage from the flooding of medium and small sized rivers and landslides is predicted.

〈Rainfall intensity and types of rain〉

Hourly precipitation amount(mm)	Type of rain
10 - 20	Heavy rain. It is difficult to hear voices due to the sound of rain.
20 - 30	Downpour. You get wet even with an umbrella. Ditches, sewerage, and small rivers overflow.
30 - 50	Rain buckets. Roads and streets essentially become rivers.
50 - 80	Rain falling in torrents. Umbrellas become totally useless. It is dangerous to drive a car.
Over 80	Rain causing feelings of stifling pressure and fear. There is a strong possibility that a large-scale disaster may occur due to rain, and severe caution is required.

(by the Japan Meteorological Agency (JMA))

Evacuation information and actions to be taken

High — Degree of urgency

Warning level	Evacuation information from Bunkyo City	Disaster prevention weather information from the Ministry of Land, Infrastructure, Transport and Tourism, Japan Meteorological Agency, etc.				Action to be taken
		River inundation	Heavy rain	Landslide	Storm Surge	
5 equivalent	Emergency safety assurance	Level 5 Emergency Warning (Flood)	Level 5 Emergency Warning (Heavy Rain)	Level 5 Emergency Warning (Landslide)	Level 5 Emergency Warning (Storm Surge)	Danger to life. Secure safety immediately!
	〈Be sure to evacuate dangerous areas by Alert Level 4!〉					
4 equivalent	Evacuation order	Level 4 Urgent Warning (Flood)	Level 4 Urgent Warning (Heavy Rain)	Level 4 Urgent Warning (Landslide)	Level 4 Urgent Warning (Storm Surge)	Everyone must evacuate from dangerous places
3 equivalent	Evacuation of the elderly	Level 3 Warning (Flood)	Level 3 Urgent (Heavy Rain)	Level 3 Urgent (Landslide)	Level 3 Urgent (Storm Surge)	Evacuate early for those who need time to evacuate. Prepare for evacuation, etc.
2	–	Level 2 Advisory (Flood)	Level 2 Advisory (Heavy Rain)	Level 2 Advisory (Landslide)	Level 2 Advisory (Storm Surge)	Confirm evacuation behavior (evacuation sites, evacuation routes, evacuation timing, etc.)
1	–	Early advisory				Improve attitudes towards disasters

If you think that evacuation to a designated evacuation shelter could actually put your life at risk, please evacuate to a “nearby safe area” *1 or “ensure indoor safety” *2 as an evacuation action to save your life.

*1 Nearby safe area : An area which is not a designated evacuation shelter but a safer area or building in the neighborhood

*2 Ensure indoor safety : Moving to a safer room in the building where you stay at the time

Precautions when evacuating

If there is an evacuation order from the city, evacuate to the evacuation center on the landslide disaster hazard map. If it is difficult to evacuate to an evacuation center, or if you feel your safety is in danger due to the rain or inundation situation, evacuate voluntarily to a nearby sturdy building with at least two stories or vertical evacuation site, or to a safer place in your home, such as a room away from a cliff or a room on the second floor.

● Collect accurate information

Please collect the latest weather information and evacuation information on TV, radio, the Internet, etc., and pay attention to the rain and inundation situation. If you feel that you are in danger, evacuate voluntarily.

● Pay attention to evacuation announcements

When danger is approaching, we will call for evacuation through the disaster prevention administrative radio, emergency alert e-mail, SNS, etc., so please evacuate immediately.

● Help the persons requiring assistance to evacuate

Those who require special care, such as the elderly and people with disabilities, need to evacuate early. Please cooperate in evacuation if you live in the neighborhood of a person requiring special care.

● Avoid evacuating by car

Evacuation by car interferes with emergency vehicles. In addition, it causes traffic congestion, and a car will be immovable when it is inundated, so avoid it except in special cases.

● Clothes that are easy to move in, evacuation in groups of at least two people

Wear clothes that are easy to move in (raincoat, sneakers, etc.), and carry a cane or stick to check the depth of the inundated area. In inundated areas, the approximate water level that can be walked in is below the knees. Also, talk with neighbors and evacuate in groups of at least two people.

List of evacuation centers for flood and landslide disasters

	Evacuation shelter	River water Flood	Inland water Flood	Landslide	Address	Phone
1	Hayashicho Elem. Sch.			●	Sengoku 2-36-3	03-3946-0421
2	Aoyagi Elem. Sch.		●	●	Otsuka 5-40-18	03-3947-2471
3	Kohinata-daimachi Elem. Sch.	●	●	●	Kohinata 2-3-8	03-3947-2371
4	Yushima Elem. Sch.	● *Arakawa River		●	Yushima2-28-14	03-3813-6061
5	Seishi Elem. Sch.		●	●	Nishikata 2-14-6	03-3811-7171
6	Daiichi J. H. Sch.		●	●	Koishikawa 5-8-9	03-3811-7271
7	Daisan J. H. Sch.	●	●	●	Kasuga 1-9-31	03-3814-2544
8	Dairoku J. H. Sch.		●	●	Mukogaoka1-2-2	03-3814-6666
9	Bunrin J. H. Sch.			●	Sendagi 5-25-10	03-3827-7671
10	Meidai J. H. Sch.	●	●	●	Kasuga 2-9-5	03-3811-2969
11	Hongodai J. H. Sch.			●	Hongo 2-38-23	03-3811-2571
12	Otowa J. H. Sch.	●	●	●	Otsuka 1-9-24	03-3947-2771
13	Mejirodai Community Hall (Mejirodai General Community Center)			●	Mejirodai 3-18-7	03-5395-9141

* Be careful because some evacuation shelters are only available during earthquakes.
* Residents can evacuate to evacuation shelters (emergency evacuation shelters) outside of the city under the “agreement concerning mutual cooperation and mutual support for the special ward.”
* When it is difficult to go to the evacuation center over the Kanda River due to heavy rain, etc., each neighborhood association in Sekiguchi 1-chome district can evacuate to Shinjuku City Enokicho Regional Center, Shinjuku City Ushigome Daiichi Junior High School, and Shinjuku City Ushigome Daini Junior High School.

● Vertical evacuation site

A vertical evacuation site serves as an emergency evacuation site when it is difficult to evacuate to a designated evacuation center or when you feel your safety is in danger due to the rain or inundation situation.

*Please check the city’s official website for the list of vertical evacuation sites.

Contact information for emergencies

Name	Phone
Bunkyo City Office (representative)	03－3812－7111
In the case of incidents/accidents	110
Tomisaka Police Station	03－3817－0110
Otsuka Police Station	03－3941－0110
Motofuji Police Station	03－3818－0110
Komagome Police Station	03－3944－0110
In the case of fire/rescue/ emergency medical assistance	119
Koishikawa Fire Station	03－3812－0119
Hongo Fire Station	03－3815－0119
NTT East (telephone failure)	From general subscribers’ phone 113 From mobile phone 0120－444－113
TEPCO Power Grid, Incorporated Tokyo Customer Center	0120－995－006
Customer Center of TOKYO GAS Co., Ltd.	0570－002－211 （03－3344－9100）
Bureau of Waterworks Tokyo Metropolitan Government, Bunkyo Office	03－5840－8021
The Bureau of Sewerage Tokyo Metropolitan Government’s Northern Region Sewerage Office, Bunkyo Branch	03－5976－2516
Embassy	Fill in the phone number for the embassy of your country

How to obtain disaster prevention information and weather information

The amount of rainfall, water level of Kanda River, and weather information in Bunkyo City can be checked by the following methods.

- Website of the Bunkyo City Water Disaster Prevention and Surveillance System (Kanda River water level information, etc.)
- Tokyo Metropolitan - Flood Control Integrated Information System (Iidabashi)
- Japan Meteorological Agency’s website
- Tokyo Amesh (The Bureau of Sewerage Tokyo Metropolitan Government : Rainfall radar)

Bunkyo City’s official website

TV channel for Bunkyo citizens (CATV)
Disaster information is provided on the TV channel for Bunkyo citizens
*Available on channel 11 (for cable television subscribers)

Data broadcasting by L Alert
Disaster information is provided on the TV using NHK data broadcasting.
*Tune in to channel 1 and press the d button on the remote control.

“Fumi no Miyako”safety and disaster prevention e-mail
Disaster information in Bunkyo City is provided to registrants.

Early warning email (Area Mail)
Disaster information is distributed to relevant mobile phones in the city in collaboration with mobile telecommunications providers including NTT DOCOMO, KDDI, SoftBank, etc.

Bunkyo City official X (formerly Twitter), Facebook, and LINE
We will provide disaster information on Bunkyo City official X (formerly Twitter), Facebook and LINE.
X (formerly Twitter) “@bunkyo_tokyo”
Facebook “@bunkyo.tokyo”

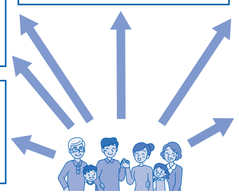
Yahoo! Disaster Alert
Disaster information is distributed through a smartphone application in collaboration with LY Corporation.
iPhone ver.
Android ver.

Bunkyo City Disaster Prevention Portal
Various kinds of information are available, including information related to evacuation, evacuation centers and damage status.

Emergency broadcast system outdoor speaker
Disaster information is announced by voice or siren. You can check content broadcasted within 24 hours on the “Telephone response system.”

NHK WORLD Website
News and other information are provided in English.

Bunkyo City Disaster Prevention App
Use this app to check disaster-related information on your smartphone or tablet.
Click here for App Store (iPhone device)
Click here for Google Play (Android device)



List of items to be taken in case of emergency

“Minimum requirements for your life” are necessary items.
Also confirm other items necessary for you and your family, such as a cane, wheelchair, hearing aid, reading glasses, extra glasses or contact lenses, baby’s milk, baby food, and disposable diapers, etc.

☐ Emergency bag



☐ Emergency and safety

- ☐ First-aid kit (bandages and adhesive tapes)
- ☐ Household medicines and medicine notebook
- ☐ Glasses and contact lenses, etc.



☐ Valuables

- ☐ Savings passbooks, cash and cash cards
- ☐ Driver’s license, and My Number Card, etc.



☐ Drinking water and food

- ☐ Drinking water, emergency food
- ☐ Water bottle



☐ What you need during an infectious disease epidemic

- ☐ Mask
- ☐ Alcohol disinfectant
- ☐ Thermometer, etc.



☐ Daily necessities

- ☐ Portable radio and flashlight
- ☐ Mobile battery and charging cable
- ☐ Toothbrush and toothpaste



☐ Clothes

- ☐ Extra clothes, rain gear, towels and slippers
- ☐ Helmet and work gloves



Daily measures against flood disaster

Check items around your house

You should not assume that you can predict the arrival of a typhoon or heavy rain.
Stay alert and take sufficient measures even in normal times.

Balcony
Bring inside potted plants, clothes drying poles and other objects that are in danger of blowing away.

Window glass
Check for cracks, check that window frames fit solidly.



Outside walls
Check for cracks.

Ditches and street drain
Remove garbage, soil, sand, and fallen leaves, and do not place footboards, etc., so that rainwater can flow through.

Underground parking lot
Prepare sandbags and watertight barriers.

Daily preparedness

●Securing safe evacuation routes
Determine the route to the evacuation center (evacuation route) in advance, and make sure that it is safe to pass.

●Prepare emergency supplies to take with you
Prepare a radio, a flashlight, food and drinking water in advance and bring them when you evacuate.

●Collect accurate information
Pay close attention to flood prevention and weather information on TV, radio, the Internet, and “Fumi no Miyako” safety and disaster prevention e-mails.

Be prepared for underground inundation

Routinely inspect pumps, and prepare sandbags and watertight barriers. Sandbags are available for rent for those who want to prepare them in advance.
A sandbag place is established at each place in a city, so please feel free to use them in case of emergency.

Call Civil Engineering Department Road Division ☎03-5803-1250