

MOST IMMEDIATE/ BY FAX

F.2 (E)/2023-NDMA (MW/WeatherAdvisory-XIX)

Government of Pakistan

Prime Minister's Office

National Disaster Management Authority

ISLAMABAD



Dated: 21 Aug 2023

Time: 2030 hours

Subject: **More Monsoon Rains with Occasional Gaps (13-16 August 2023)**

Moderate monsoon currents from the Arabian Sea are likely to penetrate upper parts of the country from **22 August 2023** while a **westerly wave** is likely to enter the same areas on **23 August 2023**. Furthermore, PMD has issued a **GLOF Advisory for vulnerable / at-risk valleys** of Gilgit Baltistan. Under the influence of this weather system (PMD Press Release at **Annex-A** & PMD GLOF Alert at **Annex-B**), following is forecasted: -

- a. **23 to 27 August**. **Rain / wind-thundershowers with a few moderate to heavy falls** are expected in the following regions: -
- (1) **Khyber Pakhtunkhwa**. Galiyat, Chitral, Dir, Swat, Shangla, Buner, Mansehra, Kohistan, Abbottabad, Haripur, Kohat, Peshawar, Mardan, Swabi and Nowshera.
 - (2) **Punjab**. Murree, Rawalpindi, Attock, Chakwal, Jhelum, Mandi Bahauddin, Hafizabad, Gujranwala, Gujrat, Sialkot, Narowal, Lahore, Kasur and Sheikhpura.
 - (3) **Gilgit Baltistan**. Diamer, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche and Shigar.
 - (4) **State of AJ&K**. Neelum Valley, Muzaffarabad, Poonch, Hattian, Bagh, Haveli, Sudhnoti, Kotli, Bhimber and Mirpur.
 - (5) **Islamabad Capital Territory**.
- b. **24 to 26 August**. **Rain / wind-thundershowers** are expected in following regions: -
- (1) **Khyber Pakhtunkhwa**. Kurram, Lakki Marwat, Dera Ismail Khan, Bannu, Karak, Waziristan.
 - (2) **Punjab**. Mianwali, Sargodha, Khushab, Faisalabad, Toba Tek Singh, Jhang and Bhakkar.
- c. **25 to 26 August**. **Rain / wind-thundershowers** with occasional gaps are expected in following regions: -
- (1) **Balochistan**. Musakhel, Barkhan, Zhob, Kalat and Khuzdar.
 - (2) **Punjab**. Dera Ghazi Khan and Rajanpur.
- d. **GLOF Alert**. In light of **increased temperatures and forecasted rainfall spell** in Gilgit Baltistan, the flows of rivers and streams are expected to increase and there is a **higher probability of GLOF event triggering** in vulnerable / at-risk valleys.

2. In light of the forecasted weather system, following impacts are expected in aforesaid regions of Pakistan: -

- a. **Moderate to Heavy Falls** may increase the water flows in local nullahs / streams of State of AJ&K, Gilgit-Baltistan, Chitral, Dir, Swat, Kohistan, Shangla, Buner, Mansehra, Abbottabad, Mardan, Nowshera, Swabi, Galliyat, Murree, Rawalpindi and Islamabad from **23-25 August**.
- b. **Hill Torrents** of Dera Ghazi Khan and adjoining areas of Northeast Balochistan may remain active from **25-26 August**.
- c. **Moderate to Heavy Rains** may cause urban flooding in low lying areas of Islamabad, Rawalpindi, Peshawar and Lahore from **23-26 August**.
- d. **Moderate to Heavy Rains** may trigger landslides in the vulnerable areas of **Murree, Galliyat, State of AJ&K, Gilgit Baltistan** and hilly / mountainous areas of **Khyber Pakhtunkhwa**.
- e. **Tarbela & Mangla Dam Authorities** are advised to manage reservoirs levels, and use of spillways accordingly in coordination with stakeholders downstream during the wet period from **23-27 August**.
- f. In light of **increased temperatures and forecasted rainfall spell** in Gilgit Baltistan, the flows of rivers and streams are expected to increase and there is a **higher probability of GLOF event triggering** in vulnerable / at-risk valleys.
- g. **Dust storm / wind-thunderstorms & heavy falls may cause damage to loose structures** such as electrical poles, solar panels, hoardings, tall trees and under construction buildings.
- h. Tourists may be advised to **avoid unnecessary travel in vulnerable areas**.
- i. General Public is **advised to remain indoors** during **wind-dust thunderstorms / lightning**.

3. Apropos, all PDMA/ GBDMA/ SDMA and ICT Administration, NHA, NH&MP, FWO, Rescue 1122, Dam Authorities, Line Departments, Ministries and Federal Agencies are required to undertake measures as per respective mandates. However, following is to be ensured by all concerned in addition to measures deemed appropriate as per on ground situation / requirements: -

- a. PMD / FFD / PDMA/ PIDs to monitor water levels in rivers, streams, and urban drainage systems continuously to detect any signs of rising water and initiate early response measures.
- b. Tarbela & Mangla Dam Authorities are to ensure proactive planning and operation of dam spillways in coordination with all downstream stakeholders in light of forecasted rain spell.
- c. Proactively maintain nullahs/stormwater drains to ensure their proper functioning

- and prevent blockages that may lead to flooding.
- d. Ensure that drainage systems are clear of debris and obstacles to facilitate the efficient flow of water and minimize risk of urban flooding.
 - e. PDMA's / GBDMA / SDMA to identify areas prone to urban flooding and implement measures such as deploying de-watering pumps to divert/drain excess water.
 - f. Ensure the availability of emergency services personnel and equipment (Rescue 1122 / Fire Brigade / Ambulance / Civil Defence, etc) in areas at high risk of urban flooding, flash flooding, hill torrents and landslides.
 - g. Preplace necessary emergency equipment at vulnerable / strategic locations to expedite response efforts.
 - h. NH&MP and Traffic Police to coordinate with Law Enforcement Agencies to manage and redirect traffic in affected areas to prevent congestion and facilitate emergency response efforts.
 - i. Coordinate with concerned departments (NHA, FWO, and C&W) for the restoration of roads in case of any blockage/obstruction.
 - j. Ensure immediate stocking of basic commodities, including paramedics and medicine, especially in regions that are likely to get cut-off during landslides / avalanches / flooding.
 - k. NHA / Line Departments to conduct regular inspections of critical infrastructure, such as bridges and roads, to identify and address any vulnerabilities that may lead to structural damage during heavy rainfall.
 - l. Coordinate with relevant departments to secure loose structures such as electrical poles, solar panels, hoardings, and under-construction buildings to mitigate potential damages from dust-wind/thunderstorms.
 - m. Advise general public to seek shelter in safe areas such as sturdy buildings or underground structures during dust-wind/hail-thunderstorms and avoid objects that pose a risk of falling / being struck by lightning.
 - n. Conduct mass public awareness campaigns to educate residents in vulnerable areas about the risks of urban flooding / landslides and precautionary measures to take.
 - o. Forewarn travellers / visitors about risks posed from flooding / landslides in vulnerable locations and provide guidance and assistance in case of emergencies through local administration, police and rescue services.
 - p. Advise farmers to take necessary mitigative and precautionary measures to safeguard their crops, such as timely harvesting, safe storage, or any other precautions from adverse effects of dust-wind-thunderstorms/hailstorms.
 - q. Advise cattle/sheep herders to undertake necessary mitigative and precautionary

measures to protect their livestock, such as safe sheltering or any other precautions from adverse effects of dust-wind-thunderstorms/hailstorms.

- r. Strengthen coordination among all relevant departments and agencies to facilitate the timely sharing of information and resources during emergency situations.
 - s. Establish reliable communication channels with local communities to provide timely updates, instructions, and emergency contact information during monsoon season.
 - t. Ensure widespread circulation of alerts and advisories, especially in local languages, to raise awareness and sensitize travelers / tourists and local communities in at-risk/vulnerable areas.
 - u. Ensure round-the-clock monitoring of the situation through EOCs with regular feedback to PEOCs and NEOC.
 - v. Share daily / routine updates with NDMA in case of any eventuality.
4. **Press Information Department Only**. With the request to ensure wider circulation and public awareness.
5. Forwarded for information / necessary action, please.



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(Distribution List Attached)

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PMD PRESS RELEASE

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Government of Pakistan
Ministry of Aviation (Aviation Division)
Pakistan Meteorological Department
Sector: H-8/2, Islamabad.

NWFC-5(10A)/2017/53

Date: August 21, 2023
Time: 14:30 PST

Press Release:**More monsoon rains with occasional gaps predicted from 23rd to 27th August**

Met Office informed that moderate monsoon currents from Arabian Sea are likely to penetrate in upper parts of the country from 22nd (evening/night). A westerly wave is also likely to enter in these areas on 23rd August. Under the influence of these systems:

- Rain/wind-thundershower (with few moderate to heavy falls) is expected in Kashmir, (Neelum valley, Muzaffarabad, Poonch, Hattian, Bagh, Haveli, Sudhanoti, Kotli, Bhimber, Mirpur), Gilgit Baltistan (Diamir, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche, Shigar), Murree, Galliyat, Islamabad, Rawalpindi, Attock, Chakwal, Jhelum, Mandi Bahauddin, Hafizabad, Gujranwala, Gujrat, Sialkot, Narowal, Lahore, Kasur, Sheikhpura, Chitral, Dir, Swat, Shangla, Buner, Mansehra, Kohistan, Abbottabad, Haripur, Kohat, Peshawar, Mardan, Swabi and Nowshera from **23rd to 27th August** with occasional gaps.
- Rain/wind-thundershower is also expected in Kurram, Lakki Marwat, Dera Ismail Khan, Bannu, Karak, Waziristan, Mianwali, Sargodha, Khushab, Faisalabad, Toba Tek Singh, Jhang and Bhakkar from **24th to 26th August** with occasional gaps. While in Dera Ghazi Khan, Rajanpur, Musa Khel, Barkhan, Zhob, Kalat, Khuzdar on **25th and 26th August**.

Impacts and Advises:

- Moderate to heavy falls may increase the water flows in local Nullahs/streams of Kashmir, Gilgit-Baltistan, Chitral, Dir, Swat, Kohistan, Shangla, Buner, Mansehra, Abbottabad, Mardan, Nowshera, Swabi, Galliyat, Murree, Rawalpindi/Islamabad from **23rd to 25th August**. Hill torrents of Dera Ghazi Khan and adjoining areas of northeast Balochistan on **25th & 26th August**.
- Moderate to heavy rains may cause urban flooding in low lying areas of Islamabad/Rawalpindi, Peshawar, Lahore from **23rd to 26th August** and may trigger landslides in the vulnerable areas of Murree, Galliyat, Kashmir, Gilgit Baltistan and hilly areas of Khyber Pakhtunkhwa during the wet spell.
- Dam operators are advised to manage reservoirs levels accordingly during the wet period from **23rd to 27th August**.
- Prevailing hot and very humid conditions are likely to subside during the spell.
- Farmers are advised to manage their activities keeping in view the weather forecast
- **Tourists** and travelers are advised to remain extra cautious to avoid any untoward situation during the wet spell.
- Wind-thunderstorm may damage loose structures like electric poles, solar panels etc.
- General public is advised to stay at safe places during wind-storm/lightning/heavy rains.

NOTE:

All concerned authorities are advised to remain ALERT and to take necessary precautionary measure during the forecast period. For latest updates, kindly visit: <https://www.pmd.gov.pk/en/>

PMD GLOF ALERT

Government of Pakistan
Ministry of Aviation
(Aviation Division)
Pakistan Meteorological Department
Islamabad, Pakistan

GLOF ALERT

GLOF/Met-3(7)/2020/

Issue Date: 21st August, 2023
Issue Time: 2:00 AM

High temperatures in Gilgit-Baltistan (GB) are expected to persist for coming two to three days followed by rainfall spells during the week. The flows of river streams will increase and there is a high probability of triggering GLOF events/ Flash floods, in the vulnerable snow and glaciated areas of G-B. The relevant local organizations, and local communities are advised to remain vigilant and observe precautionary measures due to expected GLOF events/ Flash floods during the spell.


Dr. Muhammad Atif Wazir
Deputy Director
For Director General, PMD

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