

MOST IMMEDIATE/ BY FAX



F.2 (E)/2023-NDMA (MW/Weather Advisory-XIV)
Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
ISLAMABAD



Dated: 19 July 2023

Time: 1330 hours

Subject: **MORE MONSOON RAINS PREDICTED FROM 19-23 JULY 2023**

Reference: *NDMA Weather Advisory-XIII dated 17 July 2023*

In continuation of advisory issued by NDMA at reference, Monsoon system presently affecting the country will intensify from today onwards for next 3-4 days. Expected impacts are as below: -

- a. **Increased rainfalls in catchment areas of Eastern Rivers** and intensification of monsoon system **River Jhelum at Mangla** flowing at **Medium Flood Level with sharp peak to High Flood**, **Chenab at Marala** flowing at **High Flood Level**, **River Ravi at Jassar** flowing at **Low-Medium Flood Level** and **Associated Nullahs of Chenab & Ravi** (*Map of Projected Rainfall enclosed at Annex-A*).
 - b. Heavy rainfall may cause **urban flooding** in municipal areas, i.e. **Islamabad, Rawalpindi, Peshawar, Gujranwala, Lahore, Karachi** and **other urban centres** during the forecasted period.
 - c. Heavy rainfall may **trigger flash floods and landslides** in vulnerable areas of **Murree, Galliyat, Khyber Pakhtunkhwa, Gilgit Baltistan and State of AJ&K** during the forecasted period.
 - d. **Dust storms** (*areas of interior Sindh – Tharparkar, Umerkot, MPK, Sukkur, Larkana, Sanghar, Dadu*) / wind-thunderstorms **may cause damage to loose structures** such as electrical poles, solar panels, hoardings, tall trees and under construction buildings during the forecasted period.
 - e. **Higher temperatures followed by rainfall** spells are likely to increase river / nullah flows resulting in **high probability** / risk of **flash floods / GLOF incident** in vulnerable **valleys of Gilgit Baltistan**.
3. Apropos, all PDMA/ GBDMA/ SDMA and ICT Administration, NHA, NH&MP, FWO, Rescue 1122, 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. PDMA/ GBDMA/ SDMA to undertake **regular / mass public awareness down to grassroots level, especially in vulnerable areas on all media channels / social media** to

- maximise general public's knowledge on **risks associated with monsoon season**; heavy rains, urban flooding, flash flooding, landslides, etc
- b. PMD / FFD / PDMAs / PIDs to **monitor water levels in rivers, streams, nullahs and urban drainage systems** continuously to detect any signs of rising water and **initiate early response measures**.
 - c. PDMAs / DDMAAs to **ensure early warning issued to at-risk areas** promptly and **timely evacuations are conducted**.
 - d. Proactively maintain nullahs/stormwater drains to **ensure their proper functioning** and **prevent blockages** that may lead to urban flooding.
 - e. Ensure that **drainage systems are clear of debris and obstacles** to facilitate the efficient flow of water and minimize risk of urban flooding.
 - f. PDMAs / GBDMA / SDMA to implement measures such as **deployment of de-watering pumps to divert/drain excess water**.
 - g. Ensure the **availability of emergency services personnel and equipment** (Rescue 1122 / Fire Brigade / Ambulance / Civil Defence, etc) in **areas at high risk** of riverine flooding, urban flooding, flash flooding and landslides.
 - h. Preplace necessary emergency equipment at **vulnerable / strategic locations** to **expedite response efforts**.
 - i. 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.
 - j. Coordinate with concerned departments (NHA, FWO, and C&W) for the **restoration of roads in case of any blockage / obstruction**.
 - k. Ensure immediate stocking of basic commodities and medicine, especially in **regions that are likely to get cut-off during landslides / flooding**.
 - 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. 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.

- o. Advise farmers to take **necessary mitigative and precautionary measures to safeguard their crops**, from adverse effects of dust-wind-thunderstorms / hailstorms.
- p. 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.
- q. Strengthen **coordination among all relevant departments** and agencies to facilitate the **timely sharing of information and resources** during emergency situations.
- r. Establish **reliable communication channels with local communities** to provide timely updates, instructions, and emergency contact information during monsoon season.
- s. Ensure **widespread circulation of alerts and advisories, especially in local languages**, to raise awareness and sensitize travellers / tourists and local communities in at-risk/vulnerable areas.
- t. Ensure **round-the-clock monitoring** of the situation through EOCs with regular feedback to PEOCs and NEOC.
- u. Share daily / routine updates with NDMA in case of any eventuality.

4. **PDMA Punjab.** Considering increased flood levels in Rivers Jhelum, Chenab and Ravi (***up to 100,000 cusecs at Jassar***), the following actions in addition to any other measures deemed necessary are to be ensured: -

- a. Timely **evacuation of at-risk population** along the banks of Rivers Jhelum, Chenab and Ravi and their associated Nullahs (Bein, Deg, Aik, Basantar, Palkhu, Bhimber) to be carried out on **emergency basis**, especially up/downstream of Shahdara on River Ravi.
- b. Establishment of relief / medical camps for evacuees in pre-identified safe zones, along with requisite support structure.
- c. Ensure **emergency deployment / standby of Rescue Services** personnel and equipment at vulnerable points along Rivers Jhelum, Chenab, Ravi and in at-risk areas of urban centres, especially along Nullah Lai in Rawalpindi for rapid response.
- d. Deployment / standby of **de-watering equipment and personnel** in urban areas for prompt action.
- e. **Coordination, monitoring and management of water flows in Rivers / Canals** through hydraulic structures by Punjab Irrigation Department.

5. **PDMA Sindh.** Due to the monsoon weather system, flood affected areas of 2022 are at-risk of increased rainfall, the following actions in addition to any other measures deemed necessary are to be ensured: -

- a. **Pre-placement of relief goods** at vulnerable / at-risk areas for rapid response / distribution.
- b. **Ensure Rescue Services personnel and equipment are placed on alert / standby** in at-risk areas for rapid response to any incident.
- c. Deployment / Standby of **de-watering equipment and personnel** in urbanised at-risk areas for prompt action.

6. **GBDMA.** **In light of GLOF Alert** issued by PMD (*enclosed as Annex-B*) **higher temperatures** are expected **followed by rainfall** spells and flows of rivers / nullahs are expected to increase with a **high probability** / risk of **triggering flash floods / GLOF incident** in vulnerable **valleys of Gilgit Baltistan**. Apropos, the following actions in addition to any other measures deemed necessary are to be ensured: -

- a. Ensure that Local Administration of at-risk / vulnerable areas are vigilant in monitoring of vulnerable / at-risk GLOF sites.
- b. Ensure the availability of Emergency Services and C&W / Equivalent Dept Personnel during the period.
- c. Pre-place necessary relief items / equipment for rapid response in case of any eventuality.
- d. Coordinate with Local Administrations and Concerned Departments (NHA, FWO and C&W) for the timely restoration of roads in case of any blockage obstruction / closures.

7. **Press Information Department Only.** With the request to ensure wider circulation and public awareness.

8. Forwarded for information / necessary action, please.



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(Distribution List Attached)

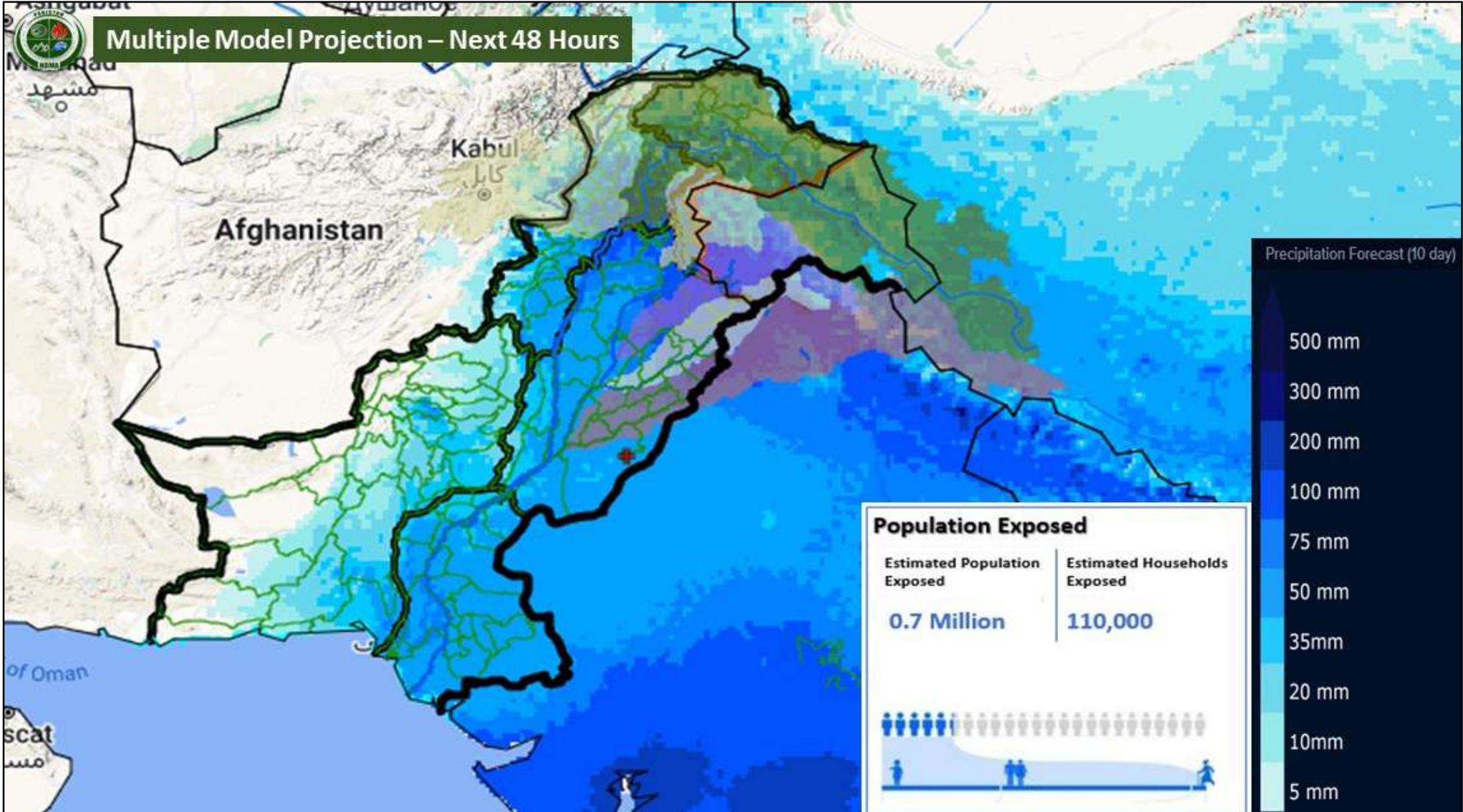
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MULTIPLE MODEL RAINFALL PROJECTIONS – NEXT 48 HOURS





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

GLOF ALERT

WG-1(24)/2015/

**Issue Date: 19th July, 2023
Issue Time: 10:00 AM**

High temperatures in Gilgit-Baltistan (GB) are expected to persist followed by rainfall spells during this 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.

**Deputy Director
RMC, Gilgit, PMD**

Distribution:

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- ii. Director General, Gilgit-Baltistan Disaster Management Authority (GBDMA).
- iii. National Project Manager, Pakistan GLOF-II Project, 6th Floor, Serena Hotel, Islamabad.
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- vi. SPS to Director General, PMD
- vii. Web Master