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



Dated: 28 July 2023
Time: 1230 hours

Subject: **HIGH FLOOD LEVELS IN RIVER INDUS AT GUDDU & SUKKUR BARRAGES**

In light of the flood forecast issued by Flood Forecasting Division (Lahore) based on convergence of river discharges from Taunsa and Punjnad, River Indus at **Guddu Barrage may attain High Flood Level on 30 July 2023** and **Sukkur Barrage may attain High Flood Level on 31 July** (details attached as **Annex-A**).

2. Apropos, all PDMA Sindh, Sindh Irrigation Department, Rescue 1122 Sindh, PMD / FFD, FFC, NHA / FWO, NH&MP, 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 / emergency requirements: -

a. **PMD / FFD**

- (1) During the forecasted period share 6-hourly weather forecasts to enable timely decision-making and coordinating response.
- (2) Share 3-hourly updates on river/ nullah flows and reservoir levels to facilitate coordinated water management/ regulation.

b. **FFC**

- (1) Ensure implementation of elaborate coordination mechanism for preparedness and mitigation through management/ regulation of water reservoirs/ barrages/ headworks and irrigation canals.
- (2) The measures must ensure desynchronised releases from all reservoirs/ regulating structures to preclude cumulative flooding in any regions.
- (3) Plan immediate discharges from regulating structures to build capacity for likely heightened/ increased flows.

c. **Sindh Irrigation Department**. Take all necessary measures to manage water flow and mitigate flood risks, through following: -

- (1) Implementing effective regulation strategies at headworks/ barrages to optimize the discharge of excess water through irrigation channels.
- (2) Conduct proactive monitoring / maintenance / repairs of canal systems to enhance their capacity to handle increased flows.
- (3) Undertake prompt repairs of any breaches / breaks in flood protective works.

d. **PDMA Sindh and Respective DDMA**

- (1) Conduct extensive public awareness campaigns through multiple channels, including TV / broadcast / social / print media etc., to ensure that vulnerable communities are well-informed about the anticipated flood situation and necessary precautions.
- (2) Preposition required machinery, equipment, emergency supplies and personnel in high-risk areas, considering the forecasted severity of flooding.
- (3) Establish and communicate clear evacuation sites and evacuation routes to affected communities, ensuring they are adequately equipped with essential facilities / resources.
- (4) Maintain sufficient stocks of essential supplies, including food, clean water, medical provisions, and sanitation supplies in case of emergency.
- (5) Strategically position flood fighting equipment in areas prone to flooding, ensuring their availability for immediate deployment.

e. **DM Responders (Local Administrations / Rescue 1122 / LEAs / Line Departments / Armed Forces)**

- (1) Ensure availability / functionality of all essential flood response equipment in flood-prone areas.
- (2) Ensure full staffing / availability of trained emergency response personnel and designate their duties / areas of deployment in case of emergency.
- (3) Conduct thorough reconnaissance of vulnerable locations, identifying critical infrastructure / communities that may require additional support and protection.
- (4) Inform and sensitize residents of low-lying areas / at-risk communities of anticipated flood conditions, potential impacts, evacuation procedures and precautionary measures.
- (5) Establish temporary shelters in safe locations for displaced individuals and ensure these are equipped with necessary supplies (food, clean drinking water, medical supplies and sanitation facilities).
- (6) Ensure the availability of trained medical staff and ambulances in strategic locations to provide immediate medical assistance to those affected by floods.
- (7) Ensure availability of search and rescue teams in critical areas.

f. **NHA / FWO and Pak Railways**. Continuously monitor the situation and implement all necessary safety measures to ensure the functionality of communication arteries (roads / railway lines / bridges).

g. **NH&MP**

- (1) Timely inform travellers / tourists regarding anticipated weather / flood conditions, potential hazards, precautionary measures and recommended alternative routes to regulate their travel and ensuring safety.
- (2) Provide necessary assistance and support to travellers / tourists affected by flood situation, including facilitating evacuations if required.
- (3) Coordinate with Law Enforcement Agencies to manage and redirect traffic in affected areas to prevent congestion and facilitate emergency response efforts.

- h. Proactively maintain nullahs/stormwater drains to ensure their proper functioning and prevent blockages that may exacerbate flooding.
- i. Ensure immediate stocking of basic commodities, including paramedics and medicine, especially in regions that are likely to get cut-off during flooding.
- j. Activate early warning systems in flash flood-prone areas to promptly alert residents and facilitate their evacuation to safer locations.
- k. Strengthen coordination among all relevant departments and agencies to facilitate the timely sharing of information and resources during emergency situations.
- l. Establish reliable communication channels with local communities to provide timely updates, instructions, and emergency contact information during monsoon season.
- m. 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.
- n. Ensure round-the-clock monitoring of the situation through EOCs with regular feedback to PEOCs and NEOC.
- o. Share regular / frequent 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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Cc: Secretary to Prime Minister, Prime Minister's Office, Islamabad
Secretary, Cabinet Division, Islamabad

ID: PRO, NDMA
Deputy Director ICT, NDMA

FFD BULLETIN NO. A-044/23

**GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
FLOOD FORECASTING DIVISION
46-JAIL ROAD LAHORE-54000**

BULLETIN No. A-044/23

Dated: - 28th July, 2023
Time: - 11:15 hours (PST)

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| <ol style="list-style-type: none"> 1. President Secretariat, Islamabad. 2. PM House, Islamabad. 3. Federal Minister for Water Resources, Islamabad. 4. Governor (All Provinces). 5. Chairman NDMA, Islamabad. 6. Chief Minister (All Provinces). 7. PM Secretariat, Islamabad. 8. Secretary, Aviation Division, Islamabad. 9. Secretary, Ministry for Water Resources, Islamabad. 10. Secretary, Ministry of Information, Islamabad. 11. Chairman NHA, Islamabad. 12. Chief Secretary (All Provinces). 13. PDMA'S (D.G'S, All Provinces & AJK). | <ol style="list-style-type: none"> 14. Chairman, Federal Flood Commission, Islamabad. 15. Chairman, Indus River System Authority, Islamabad. 16. Chairman, PCRWR, Islamabad. 17. The Secretary General, Red Crescent, Islamabad. 18. Secretary, Irrigation Department, (All Provinces). 19. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi. 20. Pakistan Commissioner for Indus Waters (PCIW), Islamabad., 21. Chief Engineer, Mangla/Tarbela/Chashma. 22. Chief Engineer, Irrigation (All Provinces). 23. Chief Engineer, (All Barrages). 24. Chief Engineer, C.D.O. (Muzaffarabad). 25. Commissioner for Indus Waters, Lahore. 26. All other concerned. |
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SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:**I: HYDROLOGICAL SITUATION at 0600 PST:**

River Indus at Taunsa & Guddu and River Sutlej at Sulemanki are in Medium flood level. River Indus at Tarbela, Kalabagh, Chashma & Sukkur, River Kabul at Nowshera, River Chenab at Marala and River Ravi at Balloki & Sidhna are in Low flood.

ALERT: Moderate to heavy Flash flooding is expected in tributaries of River Kabul along with Hill torrents of DG Khan division during next 24Hrs. Due to combining effect of Downstream discharges from Taunsa and Punjad, River Indus at GUDDU may attain High Flood level on 30th July-2023 and SUKKUR on 31st July-2023.

II: METEOROLOGICAL FEATURES:

- a. Yesterday's Well-marked low-pressure area over South Odisha (old Orissa) moved Northwards and weakened into Low. It is very likely to move away Northeastwards and become insignificant for the country.
- b. Yesterday's trough of westerly wave over Northeast Afghanistan today lies over Northern parts of the country.
- c. Light to moderate moist currents from Bay of Bengal & Arabian Sea are penetrating to upper parts of the country up to 5000 feet.
- d. Weak Seasonal low lies over Northwest Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered to widespread wind thunderstorm/rain of moderate intensity with isolated heavy falls is expected over the upper catchments of River Kabul & Indus along with Lahore & Gujranwala Divisions. Scattered wind thunderstorm/rain of moderate intensity is expected over the upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej along with Islamabad and Peshawar, Kohat, Bannu, DI Khan, Rawalpindi, Multan, DG Khan, Zhob, Loralai, Kalat, Sibbi, Makran & Nasirabad Divisions. Isolated wind thunderstorm/rain of light to moderate intensity is expected over Sargodha & Bahawalpur Divisions.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

Wet spell is likely to decrease.

V: RIVERS CATCHMENTS RAINFALL RECORDED >02 (MM) DURING LAST 24 HRS (UPTO 0800 PST):

Indus:	Takht Bai=106, Mardan=94, Daggar=86, Shinkiari=62, Kamra (Airbase)=61, Tarbela=56, Besham=51, Attock=47, Islamabad [Chaklala Airbase=40, Bokra=35, Saidpur & Zeropoint=29(each), Shamsabad=28, Golra=19, New Airport=18], Saidu Sharif=38, Rohri=37, Risalpur=29, Bosak Bidge & Buner=28(each), Sukkur, Larkana & Oghi=25(each), Malam Jabba & Rahim Yar Khan=21(each), Murree & Moin-Jo-Daro=20(each), Jacobabad=18, Pattan & Kalam=12(each), Khawagoobo Brige & Dir=10(each), Kakul & Lower Dir=06(each), Cherat=05, Babusar=04, Kalpani nullah, Phulra, Dhok Pathan, Tirah-Khyber & Nowshera=03(each),
Jhelum:	Muzaffarabad (City=79, Airport=65), Domel=69, Balakot=60, Haraman=33, Kotli=24, Garhi Dopatta=19, Chattar Kallas=18, Rawalakot=06, Joharabad=03,
Chenab:	Sialkot (Airport)=07, Gujranwala & Noorpur Thal=04(each),
Ravi:	Lahore (Township)=56, Mughalpura=08, Tajpura=07, Jail Road=04),
Sutlej:	Kasur=42,
Others:	Muslim Bagh=38, Jamli Baloch=37, Khuzdar=19, Mastung=10, Ziarat & Sibbi=05, Loralai & Pishin=04(each), Kalat=03,

**(Chaudhary Muhammad Aslam)
Chief Meteorologist
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