



No. PDMA(S)/7(78)/15/3529
PROVINCIAL DISASTER MANAGEMENT AUTHORITY
REHABILITATION DEPARTMENT



GOVERNMENT OF SINDH
PLOT NO. 26-C, MAIN KHAYABAN-E-JAMI,
DHA PHASE-VII, KARACHI
Phone: 021-99332003-5, Fax: 021-99332007

MOST URGENT
BY FAX/WHATSAPP

Date: 28th July, 2023
Time 13:00 hours

HIGH FLOOD ALERT

To,

The Deputy Commissioner(s)/Chairman DDMA(s)
(All in Sindh except Karachi Division)

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

The National Disaster Management Authority (NDMA), Islamabad has informed vide its Flood Advisory dated 28-07-2023 (copy enclosed) that 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, 2023.**

2/- Keeping in view above, it is recommended that concerned Deputy Commissioners/Chairman DDMA's and other relevant departments/ authorities/ stakeholders may take all necessary mitigation measures. including:

- **Proactive Coordination:** Establish proactive coordination with concerned departments including Irrigation Department / PDMA-PEOC / authorities / stakeholders for vigilant monitoring of Flood Situation.
- **Early Warning Systems:** Establish and maintain an efficient early warning system to alert nearby communities and authorities about the possibility of a high flood. This can include sirens, SMS alerts, and other communication channels.
- **Emergency Evacuation Plans:** Develop and communicate clear emergency evacuation plans for communities living downstream of the barrages. Conduct drills to ensure that people know how to respond in case of a high flood.
- **Strengthening Infrastructure:** Regularly inspect and maintain the barrage structures, including sluice gates, embankments, and other critical components. Strengthen these structures to withstand high water pressure.
- **Continuous Monitoring:** Implement a real-time monitoring system to keep track of water levels, weather forecasts, and flood projections. This will help in making timely decisions and taking appropriate actions.
- **Coordinated Response:** Establish Coordination Center with representatives from relevant government agencies, NGOs, and local communities to ensure a coordinated response during flood emergencies.
- **Pre-positioning Resources:** Stockpile emergency supplies, such as food, clean water, medical kits, and rescue equipment, in strategic locations to ensure swift access during flood situations.



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- **Communication and Information Dissemination:** Ensure regular communication and information dissemination to the public through various channels, including radio, television, social media, and local authorities and announcements through mosques and community centres.
- **Local Awareness Programs:** Conduct regular awareness programs in flood-prone areas to educate people about flood preparedness, safe evacuation procedures, and the importance of heeding official warnings.
- **Flood Risk Mapping:** Follow flood risk maps to focus on vulnerable areas, potential escape routes, and safe assembly points during floods.
- **Community Engagement:** Involve local communities in flood preparedness and response planning. Encourage community-led initiatives for building resilience and preparedness.
- **Emergency Response:** Ensure coordination with Rescue 1122 Authorities.

3/- It is, further, advised that the flood preparedness is a continuous process, and learning from past experiences is vital for improving future responses. Regularly review and update the precautionary measures based on lessons learned from previous flood events.

GENERAL PUBLIC:

4/- **Remember that** Floods can be unpredictable and devastating, so it's crucial to take following precautions seriously and cooperate with local authorities during such emergencies:

- **Stay Informed:** Pay attention to weather updates, warnings, and advisories issued by local authorities and news channels. Stay informed about the flood situation in your area and be prepared to act accordingly.
- **Evacuation:** If authorities recommend or order evacuation, follow their instructions promptly and leave the affected area. Don't wait until the last minute, as floodwaters can rise rapidly.
- **Avoid Floodwater:** Never attempt to wade or drive through floodwaters, as they can be deceptive and much deeper and swifter than they appear. Floodwaters can carry debris, pollutants, and hazardous materials.
- **Seek Higher Ground:** Move to higher ground or the highest floor of a sturdy building if you are in a flood-prone area. Avoid low-lying areas, riverbanks, and coastal regions.
- **Emergency Kit:** Prepare an emergency kit with essential supplies, such as non-perishable food, bottled water, first aid supplies, medications, flashlight, batteries, important documents, and a battery-powered radio.
- **Electrical Safety:** If flooding occurs in your home, turn off electricity and gas supplies to prevent electrocution and gas leaks.
- **Communication:** Keep a fully charged mobile phone with you to stay connected with family, friends, and emergency services.
- **Avoid Walking in Moving Water:** Moving water just six inches deep can knock you off your feet. Avoid walking or swimming in flooded areas.
- **Boil Drinking Water:** If your water supply becomes contaminated, boil water before drinking or use bottled water.



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- **Hygiene:** Maintain good hygiene practices to prevent waterborne diseases. Wash your hands frequently, especially before eating.
- **Protect Your Home:** If there is time, elevate furniture and valuable belongings to prevent water damage. Sandbag areas prone to flooding if possible.
- **Animal Safety:** Ensure the safety of pets and livestock by moving them to higher ground or a safe location.
- **Stay Calm:** In times of crisis, it's important to stay calm and think rationally. Panic can lead to poor decision-making.
- **Community Support:** Help neighbors who may need assistance, especially the elderly, disabled, or those with limited mobility.
- **Travelers and Tourists:** They are advised to remain cautious to avoid any untoward situation during the forecast period.
- **Farmers:** They are advised to manage their agricultural activities keeping in view the weather forecast.
- **Fishermen:** They are also advised **not to venture** in River/Barrage/Canal/Lake during the forecast period.

(AJAY KUMAR SEWANI)
ASSISTANT DIRECTOR (OPS-II)

A copy is forwarded for information & necessary action to:

1. The Senior Member Board of Revenue, Government of Sindh, Karachi.
2. The Secretary to Government of Sindh, Home Department, Karachi.
3. The Secretary to Government of Sindh, Health Department, Karachi.
4. The Secretary to Government of Sindh, Irrigation Department, Karachi.
5. The Chief Engineers, Irrigation Department, Government of Sindh (All in Sindh)
6. The Secretary to Government of Sindh, Information and Archives Department, Karachi (With a request for wide publicity through the electronic & print media).
7. The Secretary to Government of Sindh, Environment, Climate Change & Coastal Development Department, Karachi.
8. The Secretary to Government of Sindh, (GA) SGA&CD, Karachi.
9. The Secretary to Government of Sindh, Works and Services Departments Karachi.
10. The Secretary to Government of Sindh, Food Department Karachi.
11. The Secretary to Government of Sindh, Agriculture Department Karachi.
12. The Secretary to Government of Sindh, Livestock & Fisheries Department, Karachi.
13. The Inspector General of Police, Sindh, Karachi.
14. The Commissioner(s) All Concerned.
15. The Director General, Health Services Sindh, at Hyderabad.
16. The Director General, Livestock & Fisheries Sindh, at Hyderabad
17. The Director General, Coastal Development Authority, Government of Sindh, Karachi.



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18. The Director General, Pakistan Maritime Security Agency, Karachi.
19. The Director General, Sindh Building Control Authority, Karachi.
20. The Metropolitan Commissioner, Karachi Metropolitan Corporation, Karachi.
21. The Administrator, Defense Housing Authority, Karachi.
22. The Deputy Secretary (Staff) to Chief Minister Sindh, Karachi.
23. The Deputy Secretary (Staff) to Chief Secretary Sindh, Karachi.
24. The Chief Executive Officer, PPHI, Sindh Karachi.
25. The Chief Executive Officer Sindh Integrated Emergency and Health Services, Karachi
26. The Chief Executive Officer, Cantonment Board Clifton, Karachi.
27. The Chief Executive Officer(s), Karachi Electric, HESCO, SEPCO.
28. The Chief Executive, Edhi Foundation, Al Mustafa Welfare Trust, Alamgir Welfare Trust, Alkhidmat Foundation, Khidmat-e-Khalq Foundation, Pakistan Red Crescent Sindh, Chhipa Welfare Organization.
29. The Head of Office, Pakistan FisherFolk Forum, Karachi.
30. The Director (Response), National Disaster Management Authority, Islamabad.
31. The Director Rescue, 1122/ Central Command & Control, Karachi.
32. The Head Quarters ComCoast Karachi.
33. The Head Quarters, 5 Corps, Karachi.
34. The Head Quarters ComKar, Pak Navy, Karachi.
35. The Head Quarters Pakistan Rangers, Sindh, Karachi.
36. The PS to Advisor to Chief Minister Sindh, for Relief & Rehabilitation, Karachi.
37. The PS to Secretary to Government Sindh, Rehabilitation Department, Karachi.
38. The PS to Director General, Provincial Disaster Management Authority, Sindh, Karachi

**(AJAY KUMAR SEWANI)
ASSISTANT DIRECTOR (OPS-II)**



Page 1 of 6
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.



(Muhammad Ali Khan)
Director (Response)
Tel No: 051-9030924
Fax No: 051-9030729

(Distribution List Attached)

DISTRIBUTION LIST

To: Secretary, Ministry of Information & Broadcasting, Islamabad
Secretary, Ministry of Climate Change, Islamabad
Secretary, Ministry of Communications, Islamabad
Secretary, Ministry of Water Resources, Islamabad
Secretary, Aviation Division, Islamabad
Chief Secretary, Government of Sindh, Karachi
Director General, Pakistan Meteorological Department, Islamabad
Chairman, Federal Flood Commission (FFC), Islamabad
Chairman, National Highways Authority (NHA), Islamabad
Chairman, WAPDA, Lahore
Director General, PDMA Sindh, Karachi
Director General, Rescue 1122 Sindh, Karachi
Principal Information Officer, Press Information Department, Islamabad
Headquarters, Frontier Works Organization (FWO), Rawalpindi
Headquarters, National Transmission & Despatch Company (NTDC), Islamabad
Inspector General, National Highways & Motorway Police, Islamabad
Chairman, Pakistan Telecommunications Authority, Islamabad
Chairman, Pakistan Tourism Development Corporation, Islamabad
Managing Director, National Transmission & Dispatch Corporation, Lahore
Principal Information Officer, Press Information Department, Islamabad
Joint Crises Management Cell, Joint Staff Headquarters, Chaklala Cantt
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Military Operations Directorate (MO-4), General Headquarters, Rawalpindi Cantt
ACNS (Operations), Naval Headquarters, Islamabad
ACAS (Operations), Air Headquarters, Islamabad
Headquarters, Frontier Works Organization (FWO), Rawalpindi
GSO-1, Inter Services Public Relations, General Headquarters, Rawalpindi Cantt
Headquarters, Pakistan Maritime Security Agency, Karachi
Headquarters, Pakistan Coast Guard, Karachi

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)

- | | |
|--|--|
| <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. |
|--|--|

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 & Sidhnai 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 Punjnad, 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
FFD Lahore**