



F.2 (E)/2023-NDMA (MW/SITREP-21)
**Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
ISLAMABAD**



Dated: **16 July 2023**

Subject: **NDMA Monsoon 2023 - Daily Situation Report No. 21**

NDMA Monsoon 2023 Daily Situation Report No **21**, covering period from **1300 hours 15th July 2023 to 1300 hours 16th July 2023** is enclosed for information/necessary action, please.

(Muhammad Ali Khan)

Director (Response)

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To: Federal Ministries & Departments (Interior, Planning, Food Security & Research, National Health Services, Information & Broadcasting, Climate Change, Pakistan Railways, Communications, Energy & Water Resources, Finance, Information and Broadcasting (MOIB), Press Information Department (PID), Economic Affairs Division (EAD)
Chief Secretaries, Provincial Governments, GB and AJ&K
Director Generals, PDMAs, GBDMA & SDMA
Director Generals, Rescue 1122 (Punjab, Sindh, Balochistan, KP, GB & AJ&K)
Director General, Climate Change and Coastal Development, Government of Sindh
Director General, Sindh Coastal Development Authority, Karachi
Director General, Balochistan Coastal Development Authority
Chairman, National Highway Authority, Islamabad
Inspector General, National Highways & Motorway Police, Islamabad
Chairman, Pakistan Telecommunications Authority, Islamabad
Chairman, Federal Flood Commission, Islamabad
Chairman, Pakistan Tourism Development Corporation, Islamabad
Managing Director, National Transmission & Dispatch Corporation, Lahore
Principal Information Officer, Press Information Department, Islamabad
Commissioner Islamabad
Headquarters, Pakistan Maritime Security Agency, Karachi
Deputy Commissioner Islamabad
Joint Crises Management Cell, Joint Staff Headquarters, Chaklala Cantt
Staff Duties Directorate (SD Coord), General Headquarters, Rawalpindi
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 Coast Guards, Karachi
Divisional Superintendent, Pakistan Railways Karachi

Cc: Secretary to Prime Minister, Prime Minister's Office, Islamabad
Secretary, Cabinet Division, Islamabad

ID: PRO
DD (ICT)

MONSOON 2023 - DAILY SITUATION REPORT NO - 21
(PERIOD COVERED: 1300 HRS - 15 JUL 2023 TO 1300 HRS - 16 JUL 2023)

1. **Casualties and Injuries (Last 24 hours)**

a. **Deaths**

Province/ Region	District	Deaths				Remarks
		M	F	C	T	
Balochistan	Khuzdar	0	0	1	1	Wall collapse
KP	-	0	0	0	0	
Punjab	Faisalabad	1	0	0	1	House collapse
Sindh	-	0	0	0	0	
Gilgit Baltistan	-	0	0	0	0	
State of AJ&K	-	0	0	0	0	
Islamabad Capital Territory		0	0	0	0	
TOTAL		1	0	1	2	

b. **Injuries**

Province/ Region	District	Injures				Remarks
		M	F	C	T	
Balochistan	-	0	0	0	0	
KP	-	0	0	0	0	
Punjab	Faisalabad	2	0	0	2	House collapse
Sindh	-	0	0	0	0	
Gilgit Baltistan	-	0	0	0	0	
State of AJ&K	-	0	0	0	0	
Islamabad Capital Territory		0	0	0	0	
TOTAL		2	0	0	2	

2. **Damage of Infrastructure & Private Properties (Last 24 hours)**

a. **Houses Damaged and Livestock Perished**

Province/ Region	District	House Damage			Livestock
		Partial	Full	Total	
Balochistan	Lasbela	10	0	10	0
KP	Khyber	1	2	3	0
Punjab	Faisalabad	0	1	1	0
Sindh	-	0	0	0	0
Gilgit Baltistan	-	0	0	0	0
State of AJ&K	-	0	0	0	0
Islamabad Capital Territory		0	0	0	0
TOTAL		11	3	14	0

b. **Roads, Bridges and Other Infrastructure Damaged in Last 24 hours**

Province/ Region	District	Roads/ Tracks			Bridge			
		Length of road damage	Nature/ extent of damage (fully/ partially washed away/ water over flow)	Traffic situation (Alternate route/ diversion available)	Type of bridge	Length of bridge	Nature/ Extent of Damage fully/ partially washed away/ water over flow)	Traffic situation (Alternate route/ diversion available)
Balochistan	-	-	-	-	-	-	-	-
KP								
Punjab	-	-	-	-	-	-	-	-
Sindh	-	-	-	-	-	-	-	-
GB	-	-	-	-	-	-	-	-
AJ&K	-	-	-	-	-	-	-	-
ICT	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-

3. **Cumulative Casualties - Deaths / Injuries (Started from 25 Jun 2023 up to 1300 Hours 16 July 2023): -**

Province/ Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
Balochistan	4	1	2	7	5	2	4	11
Khyber Pakhtunkhwa	4	5	15	24	11	6	22	39
Punjab	25	8	21	54	47	37	30	114
Sindh	2	1	4	7	2	0	0	2
Gilgit Baltistan	0	0	0	0	0	0	0	0
State of AJ&K	2	1	0	3	1	2	0	3
ICT	0	0	0	0	0	0	0	0
TOTAL	37	16	42	95	66	47	56	169

4. **Cumulative Damages of Infrastructure & Private Properties (Started from 25 Jun 2023 up to 1300 Hours 16 July 2023): -**

Province/ Region	Roads (km)	Bridges	Houses			Livestock
			Partial	Full	Total	
Balochistan	0	0	10	3	13	2
Khyber Pakhtunkhwa	0	0	48	7	55	43
Punjab	0	0	42	3	45	1
Sindh	0	0	0	0	0	0
Gilgit Baltistan	0	0	0	0	0	0
State of AJ&K	0	0	3	4	7	0
ICT	0	0	0	0	0	0
TOTAL	0	0	103	17	120	46

5. **Flood Relief Activities (Last 24 hours)**a. **Relief Camps Established**

Province/ Region	Districts	No of Camps	Camp Population
Balochistan			
Khyber Pakhtunkhwa			
Punjab			
Sindh			
Gilgit Baltistan			
State of AJ&K			
Islamabad Capital Territory			
TOTAL			

b. **Rescue Operations**(1) **Employment of Boats.** NTR.(2) **Employment of Aviation Assets.** NTR.(3) **Relief Activities in Last 24 hours**

Province/ Region	District	Tents	Ration (Tons)	Blankets	Mosquito Nets	Plastic Mats	Sleeping Bags
Balochistan							
Khyber Pakhtunkhwa							
Punjab							
Sindh							
Gilgit Baltistan							
State of AJ&K							
Islamabad Capital Territory							
TOTAL							

6. **Cumulative Flood Relief Activities (Started from 25 Jun 2023 up to 1300 Hours 16 July 2023):-**a. **Cumulative State of Relief Camps Established**

Province/ Region	Districts	No of Camps	Camp Population
Balochistan			
Khyber Pakhtunkhwa			
Punjab			
Sindh			
Gilgit Baltistan			
State of AJ&K			
Islamabad Capital Territory			
TOTAL			

b. **Cumulative State of Rescue Operations (Started from 25 Jun 2023 up to 1300 Hours 16 July 2023):-**

- (1) **Employment of Boats.** NTR.
 (2) **Employment of Aviation Activates.** NTR.
 (3) **Relief Activities**

Province/ Region	District	Tents	Ration (Tons)	Blankets	Mosquito Nets	Plastic Mats	Sleeping Bags
Balochistan							
Khyber Pakhtunkhwa							
Punjab							
Sindh							
Gilgit Baltistan							
State of AJ&K							
Islamabad Capital Territory							
TOTAL							

7. **Dams and Reservoirs Level** - Attached at **Annex A.**
 8. **Flood Alert / River Flows** - Attached at **Annex B.**
 9. **Flood / Base Flow Data Obtained from India.** NTR.
 10. **Rainfall Recorded During Last 24 Hours (0800-0800 hours each day).** Attached at **Annex C.**

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

BULLETIN No. B-032/23

Dated: - 16th July, 2023
Time: - 10:50 hours (PST)**I: WEATHER/RAINFALL FORECAST FOR NEXT 24-HRS:**

RIVERS	Upper Catchments (Above Rim Stations)	Lower Catchments (Below Rim Stations)	RESERVOIRS LEVEL (FEET) at (0600 PST)	
INDUS	Scattered wind thunderstorm/ rain	Scattered wind thunderstorm/ rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1514.93
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	MANGLA	
SUTLEJ	-do-	-do- (Bahawalpur Division)	Current:	1204.40
			Max Conservation:	1242.00

II: QUANTITATIVE FLOOD FORECAST OF GAUGING STATIONS (IN THOUSANDS OF CUSECS)

RIVERS	Stations	Actual Observations at 0600 PST		Quantitative Forecast for Next 24-hrs. (Inflow)	Qualitative Forecasted Flood Level (Inflow)
		Inflow	Outflow		
INDUS	Tarbela	159.0	164.7	160-175	Below Low
	Kalabagh	209.7	201.7	No significant change	-do-
	Chashma	210.3	205.4	-do-	-do-
	Taunsa	190.0	172.0	-do-	-do-
	Guddu	185.8	146.5	-do-	-do-
	Sukkur	137.7	82.0	-do-	-do-
	Kotri	76.4	33.8	-do-	-do-
KABUL	Nowshera	48.1	48.1	40-55	-do-
JHELUM	Mangla	50.0	10.0	50-80	Low (Sharp Peak up to Medium flood level)
	Rasul	8.7	5.3	No significant change	Below Low
CHENAB	Marala	77.2	49.0	70-95	-do-
	Khanki	57.2	49.8	No significant change	-do-
	Qadirabad	49.3	39.3	-do-	-do-
	Trimmu	37.8	24.5	-do-	-do-
	Punjnad	55.1	40.0	55-75	-do-
RAVI	Jassar	23.0	23.0	No significant change	-do-
	Shahdara	18.9	18.9	-do-	-do-
	Balloki	44.5	26.6	40-45	Low
	Sidhnai	25.1	9.7	No significant change	Below Low
SUTLEJ	G.S.Wala	18.6	18.6	20-21	-do-
	Sulemanki	83.6	83.6	70-77	Low
	Islam	15.3	15.3	15-40	Below Low

Isolated= 20 to 30% of area Scattered= 30 to 50% of area | Widespread= 90 to 100% of area | R= Rising & F= Falling

(Chaudhary Muhammad Aslam)
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**GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
FLOOD FORECASTING DIVISION
46-JAIL ROAD LAHORE-54000**

BULLETIN No. A-032/23

Dated: - 16th July, 2023
Time: - 10:50 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 Sutlej at Sulemanki is in Medium Flood Level and it is likely to fall, while all the other Major Rivers are flowing below low flood level.

II: METEOROLOGICAL FEATURES:

- a. Yesterday's trough of westerly wave over Northern parts of the country persists.
- b. Moderate Moist currents from Arabian sea and Bay of Bengal are penetrating to upper parts of the country up to 5000 feet.
- c. Seasonal low lies over North Balochistan and its trough is extending Northeastwards.
- d. A monsoon Low has developed over North Bay of Bengal and adjoining area.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered wind thunderstorm/ rain of moderate intensity with Isolated heavy falls is expected over the upper catchments of all the Major Rivers along with Islamabad and Peshawar, Kohat, Bannu, D.I Khan, Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Multan, Sahiwal, D.G Khan & Bahawalpur Divisions. Isolated wind thunderstorm/rain is also expected over Zhob, Loralai, Sibbi, Nasirabad & Kalat Divisions.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

Wet spell is likely to continue.

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

Indus:	Peshawar (Cantt=45, Airbase=05, City=02, Bacha Khan Airport=01) Buner=31, Malam Jabba=30, Pashat-Bajaur=29, Kakul=21, Saidu Sharif=16, Khaar-Bajaur=14, Warsak Dam & Mamad Gut=07(each), Islamabad[Zeropoint=06, Bokra & Saidpur=01(each)] Murrree=04, Mianwali (Airbase)=03 & Takht Bai=03(each), Daggar & Landi Kotal=02(each), Attock, Kamra (Airbase), Bannu, Layyah & Dir=01(each), Darashoot, Khawagoobo Brige, Besham & Drosh=Trace(each),
Jhelum:	Rawalakot=26, Palandri=12, Sargodha (City=10, Airbase=04), Jhelum & Mangla=06(each), Mandibahauddin=05, Bosak Bidge, Garhi Dopatta, Joharabad, Chattar Kallas & Haraman=01(each), Dhulli=Trace,
Chenab:	Gujranwala (Cantt=100, City=67), Shorkot (Airbase)=35, Sialkot (Cantt=28, Airport=01), Noorpur Thal=16, Gujrat=03, Barnala=02, Sharda=01, Jhang=Trace,
Ravi:	Faisalabad [Airport=80, Madina Town=28, Dogar Basti & Iqbal colony=22(each), Gulam Muhammad Abad=18, Gulistan Colony=12], Okara=40, Lahore[Luckshami=39, Gulshan e Ravi=32, Jail Road=31, Qurtba chock=26, Iqbal Town=24, Gulburg & Samanabad=21(each), Shahi Qilla=15, Johar Town=10, Misri Shah=09, Shahdara=06, Airport=05, Taj Pura=03, Mughal Pura & Upper Mall=02(each), Township=Trace], Sahiwal=16, Khanewal=08, T.T. Singh=Trace,
Sutlej:	Chunian=92, Bahawalnagar=03, Kasur=01,
Others:	Loralai=03, Karchi [Airport & University Road=Trace(each)],

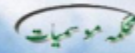
(Chaudhary Muhammad Aslam)
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National Weather Forecasting Centre
Pakistan Meteorological Department



Total Rainfall (mm) last 24 hours on Sunday 16-07-2023 at 0800 PST				
Stations		Rainfall (mm)		
Punjab				
Faisalabad		80		
Gujranwala		67		
Okara		40		
Lahore		(Lakshmi chowk 39, Gulshan e Ravi 32, City, Jail Road 31, Qurtaba Chowk 26, Iqbal Town SDO office 24, Gilberg Wasa head office, Samanabad 21, Pani wala Talab 15, Johar Town SDO office 10, Chowk Nakhuda 09, Farrukhabad 06, Tajpura SDO office 03, Mughalpura, Upper Mall, Airport 02, Nishtar Town Trace)		
Sialkot		(City 28, AP 01)		
Sahiwal, Noor pur thal		16		
Sargodha		10		
Khanewal		08		
Islamabad		(Zero point 07, Saidpur, Golra 01)		
W.S.R Mangla		06		
M.B.Din		05		
Murree		04		
Narowal, Gujrat, Bahawalnagar		03		
Kasur, Layyah, Joharabad, Attock		01		
T.T. Singh, Jhang		Trace		
Khyber Pakhtunkhwa				
Buner		31		
Malam Jabba		30		
Pashat Bajur		29		
Kakul		21		
Saidu sharif		16		
Khaar Bajur		14		
Mamad Gut		07		
Peshawar		(AP 05, City 02)		
Takht Bhai		03		
Landi Kotal		02		
Bannu, Bacha Khan (AP)		01		
Drosh		Trace		
Kashmir				
Rawalakot		26		
Barnala		02		
Garhi Dupatta, Chatter Kalas, Garhi dupatta, Haraman		01		
Sindh				
Karachi		Trace		
Balochistan				
Loralai		03		
Gilgit-Baltistan				
NIL				
Maximum Wind Reported				
Station	Wind (kt)	Km/hr	Direction	Time (PST)
Lahore A/P	25	46	SW	2100
Maximum Water Level at Nullah Lai (Last 24 Hours)				
Station	Level (Feet)	Time (PST)	Flood Situation	
Nil				