

MOST IMMEDIATE / BY FAX



F.2 (E)/2024-NDMA (MW/SITREP-20)
Government of Pakistan
Prime Minister's Office
National Disaster Management Authority (HQ)
Main Murree Road Near ITP Office, Islamabad



Dated: **20 July 2024**

Subject: **NDMA - Monsoon 2024 Daily Situation Report No. 20**

NDMA Monsoon 2024 Daily Situation Report No **20**, covering period from **1300 hours 19 July to 1300 hours 20 July 2024** is enclosed for information / necessary action, please.

(Hammad Sadiq Rana)
(Director (Response))
Tel No: 051-9030924
Fax No: 051-9030729

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 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
Engineer Directorate (Arms Branch), 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
Directorate General, Inter-Services Intelligence (ISI), Islamabad
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 2024 DAILY SITUATION REPORT NO - 20**(PERIOD COVERED: 1300 HOURS 19 JULY 2024 TO 1300 HOURS 20 JULY 2024)****1. Casualties and Injuries (Last 24 hours)****a. Deaths**

Province / Region	District	Deaths				Remarks
		M	F	C	T	
Balochistan	-	0	0	0	0	
KP	-	0	0	0	0	
Punjab	Khanewal	0	0	1	1	Roof collapsed
Sindh	-	0	0	0	0	
Gilgit Baltistan	-	0	0	0	0	
AJ&K	-	0	0	0	0	
ICT	-	0	0	0	0	
Total	-	0	0	1	1	

b. Injuries

Province / Region	District	Injures				Remarks
		M	F	C	T	
Balochistan	-	0	0	0	0	
KP	Karak	1	1	0	2	House collapsed
Punjab	Khanewal	1	0	0	1	Roof collapsed
Sindh	-	0	0	0	0	
Gilgit Baltistan	-	0	0	0	0	
AJ&K	-	0	0	0	0	
ICT	-	0	0	0	0	
Total		2	1	0	3	

2. Damage of Infrastructure & Private Properties (Last 24 hours)**a. Houses Damage and Livestock Perished**

Province / Region	District	House Damage			Livestock
		Partial	Full	Total	
Balochistan	-	0	0	0	0
KP	-	38	1	39	1
Punjab	Khanewal	1	0	1	0
Sindh	-	0	0	0	0
Gilgit Baltistan	-	0	0	0	0
AJ&K	-	0	0	0	0
ICT	-	0	0	0	0
Total		39	1	40	1

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)	Number of bridge	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	-	-	-	-	-	-	-	-	-
Gilgit Baltistan	-	-	-	-	-	-	-	-	-
AJ&K	-	-	-	-	-	-	-	-	-
ICT	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-

3. **Cumulative Casualties - Deaths / Injuries (From 1300 Hours 1 July 2024 to 1300 Hours 20 July 2024):-**

Province /Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
Balochistan	2	0	0	2	0	0	0	0
KP	6	2	1	9	15	16	20	51
Punjab	6	5	15	26	33	23	31	87
Sindh	4	0	4	8	3	0	0	3
Gilgit Baltistan	0	0	0	0	0	0	0	0
AJ&K	0	0	1	1	2	0	0	2
ICT	0	0	0	0	0	0	0	0
Total	18	7	21	46	53	39	51	143

4. **Cumulative Damages of Infrastructure & Private Properties (From 1300 Hours 1 July 2024 to 1300 Hours 20 July 2024):-**

Province / Region	Roads (kms)	Bridges	House Damage			Livestock
			Partial	Full	Total	
Balochistan	0	0	0	0	0	0
KP	0	1	95	28	123	32
Punjab	0	0	44	0	44	36
Sindh	0	0	0	13	13	16
Gilgit Baltistan	0.34	1	0	0	0	0
AJ&K	0	0	1	0	1	0
ICT	0	0	0	0	0	0
Total	0.34	2	140	41	181	84

- (1) **Employment of Boats.** NTR.
- (2) **Employment of Aviation Activates.** NTR.
- (3) **Cumulative Relief Activities by PDMAs/SDMA/GBDMA (From 1300 Hours 19 July 2024 to 1300 Hours 20 July 2024):-**

Relief Items	Balochistan	KP	Punjab	Sindh	Gilgit Baltistan	AJ&K	ICT	Total
Tents	0	8	0	0	4	0	0	12
Ration Bags	0	0	0	0	62	0	0	62
Blankets	0	16	0	0	0	0	0	16
Quilts	0	0	0	0	0	0	0	0
Net Mosquito	0	0	0	0	0	0	0	0
Plastic Mats	0	10	0	0	0	0	0	10
Mattress	0	0	0	0	0	0	0	0
Sleeping Bags	0	0	0	0	0	0	0	0
Kitchen Sets	0	8	0	0	0	0	0	8
Hygiene Kits	0	0	0	0	0	0	0	0
First Aid Kits	0	0	0	0	0	0	0	0
Jerry can	0	0	0	0	0	0	0	0
Tarpaulin	0	0	0	0	0	0	0	0
Gabions	0	0	0	0	45	0	0	45
Sand Bags	0	0	0	0	100	0	0	100
Gas Cylinder	0	0	0	0	0	0	0	0
Water Cooler	0	0	0	0	0	0	0	0

8. **Dams and Reservoirs Level** - Attached at **Annex A.**
9. **Flood Alert / River Flows** - Attached at **Annex B.**
10. **Flood / Base Flow Data Obtained from India.** - Attached at **Annex C.**
11. **Rainfall Recorded During Last 24 Hours (0800-0800 hours each day).** Attached at **Annex D.**
12. **FFD Discharge Report Recorded at 20 July 2024 06:00 PST.** Attached at **Annex E.**

Note: SITREP data is preliminary as provided by respective PDMAs / GBDMA / SDMA / ICT Administration, Govt Depts and is subject to change.

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

BULLETIN No. B-03624

Dated: - 20th July, 2024
Time: - 11:00 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	Isolated thunderstorm/rain	Isolated thunderstorm/rain (Rawalpindi Division)	TARBELA Current: 1517.69 Max. Conservation: 1550.00 Live Storage 69.6% MANGLA Current: 1196.70 Max Conservation: 1242.00 Live Storage 55.7%
JHELUM	-do-	-do- (Sargodha Division)	
CHENAB	-do-	-do- (Gujranwala Division)	
RAVI	-do-	-do- (Lahore Division)	
SUTLEJ	-do-	-do- (Bahawalpur Division)	

II: QUANTITATIVE FLOOD FORECAST OF GAUGING STATIONS [IN THOUSANDS OF CUSECS]

RIVERS	Stations	Design Capacity	Actual Observations at 0600 PST		Quantitative Forecast for Next 24-hrs (Inflow)	Qualitative Forecasted Flood Level (Inflow)	Max Flood Peaks (In Thousands of Cusecs)	
			Inflow	Outflow			Historical	Flood Season 2024
INDUS	Tarbela	1500	181.0	205.3	180-200	Below Low	832.0 (2010)	296.0
	Kalabagh	950	228.8	220.8	No Sig. change	-do-	950.0 (1942)	254.6
	Chashma	950	245.3	233.8	-do-	-do-	1038.9 (2010)	273.4
	Taunsa	1100	211.0	191.0	-do-	-do-	960.0 (2010)	224.6
	Guddu	1200	175.1	136.5	-do-	-do-	1199.7 (1976)	192.9
	Sukkur	1500	125.5	74.6	-do-	-do-	1166.6 (1986)	140.3
	Kotri	875	80.7	39.6	-do-	-do-	980.3 (1956)	82.5
KABUL	Nowshera	-	57.6	57.6	50-60	-do-	391.3 (1990)	96.6
JHELUM	Mangla	1060	20.0	15.0	20-30	-do-	1090.0 (1992)	114.6
	Rasul	850	10.5	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	55.4	27.6	50-60	-do-	1100.0 (1957)	98.9
	Khanki	1100	46.0	38.3	No Sig. change	-do-	1086.5 (1959)	95.1
	Qadirabad	807	48.3	30.3	-do-	-do-	948.5 (1992)	93.1
	Trimmu	645	18.5	5.5	-do-	-do-	944.0 (1928)	46.5
	Punjnad	700	19.0	5.1	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	10.7	10.7	7-15	-do-	680.0 (1955)	10.7
	Shahdara	250	15.4	15.4	No Sig. change	-do-	575.0 (1988)	18.4
	Balloki	225	27.5	3.0	-do-	-do-	389.8 (1988)	38.8
	Sidhnai	150	13.5	0.0	-do-	-do-	330.2 (1988)	21.5
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	637.0 (1955)	5.4
	Sulemanki	325	13.5	2.5	-do-	-do-	598.9 (1955)	46.2
	Islam	300	3.7	1.8	-do-	-do-	492.6 (1955)	8.6

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

Note: Concerned Departments may contact FFD, Lahore for rectification up-dation (if any)

--sd/--
(Shahid Abbas)
Chief Meteorologist
FFD Lahore

www.fpd.pmd.gov.pk | Email: ffdhr@yahoo.com

Chief Meteorologist: 04299200208 & Duty Officer 24/7 hrs: 04299200139, 04299205367-70 and Fax: 04299200209 & 5367

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

BULLETIN No. A-03624

Dated: - 20th July, 2024
Time: - 11:00 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. Secretary, Climate change, Islamabad. 12. Chairman NHA, Islamabad. 13. Chief Secretary (All Provinces). | <ol style="list-style-type: none"> 14. PDMA'S (D.G's All Provinces & A.JK). 15. Chairman, Federal Flood Commission, Islamabad. 16. Chairman, Indus River System Authority, Islamabad. 17. Chairman, PCRWR, Islamabad. 18. The Secretary General, Red Crescent, Islamabad. 19. Secretary, Irrigation Department, (All Provinces). 20. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi. 21. Pakistan Commissioner for Indus Waters (PCIW), Islamabad. 22. Chief Engineer, Mangla/Tarbela/Chashma. 23. Chief Engineer, Irrigation (All Provinces). 24. Chief Engineer, (All Barrages). 25. Chief Engineer, C.D.O. (Muzaffarabad). 26. All other concerned. |
|---|---|

SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:

I: HYDROLOGICAL SITUATION at 0600 PST:

All the major rivers are flowing below low flood level.

II: METEOROLOGICAL FEATURES:

- a) According to the latest synoptic analysis, yesterday's well-marked monsoon low over the northwest Bay of Bengal has intensified into a DEPRESSION over the same area.
- b) Steering level winds suggest that the depression is likely to move westward over the next 24 hours and gradually weaken.
- c) Yesterday's trough of the westerly wave over Kashmir and adjoining areas has moved eastward.
- d) Mostly weak pressure gradients lie over the country and surrounding areas, except for southeast India around the depression.
- e) Light to moderate moisture from the Bay of Bengal is penetrating the upper parts of the country, while moisture from the Arabian Sea is converging over south Sindh and adjoining India up to 3,000 feet.
- f) Active Monsoon trough lies over south off the foothills of the Himalayas.
- g) Weak Seasonal low lies over east Balochistan.
- h) A cyclonic circulation lies over north east Arabian Sea and adjoining areas of India.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Isolated thunderstorm/rain of light to moderate intensity is expected over the upper catchments of all the Major rivers along with Islamabad, Rawalpindi, Sargodha, Gujranwala, Lahore, Multan and Bahawalpur Divisions. Scattered thunderstorm/rain of moderate intensity is expected over south Sindh, DG Khan, Zhob, Sibbi, Kalat and Nasirabad Divisions.

IV: WEATHER OUTLOOK:

Monsoon activity is likely to revitalize in the upper catchments of all major rivers from 22nd July.

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

Indus:	Mianwali (Airbase)=37, Badin=14, Dir=10, Mirkhani=08, Darashoot & Khawagoobo Bridge=04(each), Barkhan=02, Arandu Nullah, Kalam & Drosh=01(each), Chowni Bridge Citral, Dratian, Moin-Jo-Daro, DG Khan (Zain Sanghar)=Trace(each).
Jhelum:	Bandi Abbaspur=10, Balakot=01, Sharda=Trace, Sargodha [Airbase & City]=Trace(each).
Chenab:	Multan [Chungi No.9=69, Kiri Jamandan=17, Airport=07, Shuja Abad=02], Shorkot (Airbase)=04, Muzaffargarh=03.
Ravi:	Khanewal=22, Okara=07, Faisalabad [Madina Town=04 & Dogar Basti=03], T.T. Singh=04, Sahiwal=02.
Sutlej:	Kasur=07.
Others:	Sibbi=35, Karachi [University Road=16, Gadap Town=14, Hassan Square=07, Faisal Base & Jinnah Terminal=06(each), Malir Halt=03, Airport & Surjani Town=02(each), Ibrahim Haideri=01, Quaidabad Korangi, Orange Town, Kemari, Landhi, Gulshan e Maymar & DHA=Trace(each)], Khuzdar & Lasbela=Trace(each).

--sd/--

(Shahid Abbas)
Chief Meteorologist
FFD Lahore

By Fax

Government of Pakistan
Ministry of Water Resources
Office of Pakistan Commissioner for Indus Waters
Suharwardy Road, (Wapda Building), G-7/1, Islamabad.

FLOOD SEASON 2024
WEEKLY FLOOD/BASE FLOW DATA
DATA AT (0600 HRS IST) REGARDING EASTERN RIVERS OBTAINED FROM INTERNET

Name of Dam	Full Reservoir Level (feet)	Live Storage Capacity at FRL (MAF)	Current Live Storage (MAF)	Current Reservoir Level (Feet)	Storage (%)	Storage last year (%)
i. Bhakra Dam on River Sutlej	1680	5.050	<u>1.861</u> 18.07.2024	1597.45	37	64
ii. Pong Dam on River Beas	1390	4.991	<u>1.132</u> 18.07.2024	1313.55	23	75
iii. Thein Dam on River Ravi	1732	1.900	<u>0.460</u> 18.07.2024	1635.58	24	85

The data is being shared for flows information,
Dated: 19th July 2024



(ADNAN MUMAHAMMAD)
Deputy Commissioner for Indus Waters
Tele: 051-9244674

Data source: www.bhmb.gov.in
www.cwc.gov.in

Copy forwarded by Fax to:

1. Secretary, Ministry of Water Resources, Islamabad.
2. Chief Secretary, GilgitBaltistan, Gilgit.
3. Chief Secretary, Government of Azad Jammu and Kashmir, Muzaffarabad.
4. Chief Secretary, Government of Punjab, Lahore.
5. Chief Secretary, Government of Sindh, Karachi.
6. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
7. Chief Secretary, Government of Balochistan, Quetta.
8. Secretary, Irrigation Department, Punjab, Lahore.
9. Secretary, Irrigation Department, Sindh, Karachi.
10. Secretary, Irrigation Department, Khyber Pakhtunkhwa, Peshawar.
11. Secretary, Irrigation Department, Balochistan, Quetta.
12. Director General (Water), Ministry of Water Resources, Islamabad.
13. Chairman, National Disaster Management Authority (NDMA), Islamabad.
14. CEA/CFPC, Islamabad.
15. Chairman, Indus River System Authority (IRSA), Islamabad.
16. M.O. Directorate, G.H.Q, Rawalpindi.
17. D.G. (Engrs), G.H.Q, Rawalpindi.
18. Engineers, 4-Corps, Lahore
19. Engineers, 30-Corps, Gujranwala.
20. Relief Commissioner/Senior Member, Board of Revenue, Punjab, Lahore.
21. D.G. (PDMA) Punjab, 40/A- Lawrence Road, Lahore.
22. Chief Engineer (H&WM), Wapda House, Lahore.
23. XEN Irrigation, Marala Headwork.
24. XEN Irrigation, Kasur.
25. Director, Irrigation Department, Government of the Punjab, Lahore.
26. Chief Meteorologist, F.F.D. 46-Jail Road, Lahore.
27. Office Incharge, F.W.C. 46-Jail Road, Lahore.



Total Rainfall (mm) last 24 hours on Saturday 20-07-2024 at 0800 PST				
Stations		Rainfall (mm)		
Balochistan				
Sibbi		35		
Barkhan		02		
Khuzdar & Lasbella		Trace		
Punjab				
Khanewal		22		
Kasur, Okara & Multan (AP)		07		
Toba Tek Singh		04		
Sahiwal		02		
Sargodha		Trace		
Sindh				
Karachi		(University Road 15, Gadap 14, Hasan Square 07, Jinnah Terminal, Faisal Base 06, Malir Halt 03, Surjani Town, MOS 02 & Ibrahim Hydari 01)		
Badin		14		
Mohenjodaro		Trace		
Khyber-Pakhtunkhwa				
Dir		10		
Mirkhani		08		
Kalam, Drosh & Balakot		01		
Kashmir				
Bandi Abbaspur		10		
Gilgit-Baltistan				
NIL				
Maximum Wind Reported				
Station	Wind (kt)	Km/hr	Direction	Time (PST)
Multan (AP)	30	56	E	1705
Lahore (AP)	30	56	E	1705
Maximum Water Level at Nullah Lai (Last 24 Hours)				
Station	Level (Feet)	Time (PST)	Flood Situation	
NIL				



FFD Discharge Report

Recorded at: 20-Jul-2024 06:00 PST

River	Site	Inflow		Outflow	
Indus	Tarbela	181,000	↗	205,300	NORMAL
	Kalabagh	228,805	↘	220,815	NORMAL
	Chashma	245,279	↘	233,779	NORMAL
	Taunsa	211,019	↘	191,019	NORMAL
	Guddu	175,138	↘	136,504	NORMAL
	Sukkur	125,525	↗	74,630	NORMAL
	Kotri	80,685	↗	39,580	NORMAL
Kabul	Nowshera	57,600	↗	57,600	NORMAL
Jhelum	Mangla	22,000	→	15,000	NORMAL
	Rasul	10,465	→	0	NORMAL
Chenab	Marala	55,371	↘	27,571	NORMAL
	Khanki	45,955	→	38,256	NORMAL
	Q.Abad	48,314	↘	30,314	NORMAL
	Trimmu	18,510	→	5,468	NORMAL
	Panjnad	18,955	↗	5,095	NORMAL
Ravi	Jassar	10,709	→	10,709	NORMAL
	Shahdara	15,353	↗	15,353	NORMAL
	Balloki	27,470	↗	2,970	NORMAL
	Sidhnai	13,500	↘	0	NORMAL
Sutlej	GS Wala	1,014	→	1,014	NORMAL
	Sulemanki	13,526	→	2,502	NORMAL
	Islam	3,727	→	1,777	NORMAL

DAM	Current Level	Max Level	Dead Level
Tarbela Dam	1517.69 (-0.86)	1550	1402
Mangla Dam	1196.70 (+0.05)	1242	1050

Generated By DFO @ Flood Forecasting Division, Lahore. +92-42-99200139