

MOST IMMEDIATE / BY FAX



F.2 (E)/2024-NDMA (MW/SITREP-57)
Government of Pakistan
Prime Minister's Office
National Disaster Management Authority (HQ)
Main Murree Road Near ITP Office, Islamabad



Dated: **26 August 2024**

Subject: **NDMA - Monsoon 2024 Daily Situation Report No. 57**

NDMA Monsoon 2024 Daily Situation Report No **57**, covering period from **1300 hours 25 August to 1300 hours 26 August 2024** is enclosed for information / necessary action, please.

(Hammad Sadiq Rana)
(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
Chief Secretaries, Provincial Governments, GB and AJ&K
Director Generals, PDMA's, 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)

Province/ Region	Tents	Ration Bags	Blankets	Quilts	Net Mosquito	Plastic Mats	Mattress	Sleeping Bags/Mats	Kitchen Sets	Hygiene Kits	First Aid Kits	Jerry can	Tarpaulin	Gas Cylinder	Water Cooler	Gabions	Sand bags
Punjab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sindh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gilgit Baltistan	0	48	0	0	0	0	0	7	7	7	0	0	0	0	13	0	0
AJ&K	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ICT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	48	0	0	0	0	0	7	7	7	0	0	0	0	13	0	0

a. **Relief Camps Established.** NTR.

b. **Rescue Operations.**

(1) **Employment of Boats.** NTR.

(2) **Employment of Aviation Assets.** NTR.

(3) **Relief Activities in Last 24 hours.** NTR.

7. **Cumulative Flood Relief Activities (From 1300 Hours 1 July 2024 to 1300 Hours 26 August 2024):-**

a. **Cumulative State of Relief Camps Established by PDMAs/SDMA/GBDMA:-**

Description	Balochistan	KP	Punjab	Sindh	Gilgit Baltistan	AJ&K	ICT	Total
No of Medical Camp	2	0	42	1	0	0	0	45
No of Persons Treated	1012	0	3041	0	0	0	0	4053
No of Relief Camps	0	0	40	102	0	0	0	142
No of Person in Relief Camp	0	0	49	2627	0	0	0	2676
Cooked Food	0	0	600	0	0	0	0	600

b. **Cumulative State of Rescue Operations (From 1300 Hours 1 July 2024 To 1300 Hours 26 August 2024) by PDMAs/SDMA/GBDMA:-**

Description	Balochistan	KP	Punjab	Sindh	Gilgit Baltistan	AJ&K	ICT	Total
No of Persons Transported	0	0	4481	1500	0	0	0	5981
No of Persons Evacuated / Rescued	281	0	0	1561	0	0	0	1842
Animals Transported	0	0	955	0	0	0	0	955
Animal Vaccinated	0	0	51957	5303314	0	0	0	5355271
Boats Deployed	0	0	68	0	0	0	0	68
De-Watering Pumps	0	0	55	81	0	0	0	136
Life Jackets	0	0	509	0	0	0	0	509

(1) **Employment of Boats.** NTR.

- (2) **Employment of Aviation Activates.** NTR.
- (3) **Cumulative Relief Activities by PDMAs/SDMA/GBDMA (From 1300 Hours 1 July 2024 to 1300 Hours 26 August 2024):-**

Ser	Relief Items	Balochistan	KP	Punjab	Sindh	Gilgit Baltistan	AJ&K	ICT	Total
(a)	Tents	70	413	1862	907	195	21	0	3468
(b)	Ration Bags	50	51	0	0	522	0	0	623
(c)	Blankets	12	1079	0	0	373	0	0	1464
(d)	Quilts	0	0	0	0	5	0	0	5
(e)	Net Mosquito	0	180	0	8800	0	0	0	8980
(f)	Plastic Mats	80	793	0	400	124	0	0	1397
(g)	Mattress	0	34	0	250	0	0	0	284
(h)	Sleeping Bags	0	45	0	0	82	0	0	127
(i)	Kitchen Sets	0	453	0	0	104	0	0	557
(j)	Hygiene Kits	700	137	0	300	37	0	0	1174
(k)	First Aid Kits	0	0	0	0	0	0	0	0
(l)	Jerry can	80	0	0	400	0	0	0	480
(m)	Tarpaulin	70	161	0	0	56	0	0	287
(n)	Gabions	0	0	0	0	245	0	0	245
(o)	Sand Bags	0	0	0	0	900	0	0	900
(p)	Gas Cylinder	73	17	0	0	0	0	0	90
(q)	Water Cooler	0	17	0	0	13	0	0	30

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 26 August 2024 12:00 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-073/24

Dated: - 26th August, 2024
Time: - 11:20 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 thunderstorm rain	Scattered thunderstorm rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1550.00
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	Isolated thunderstorm rain (Lahore Division)	Live Storage	100.0%
SUTLEJ	-do-	Scattered thunderstorm rain (Bahawalpur Division)	MANGLA	
			Current:	1216.65
			Max Conservation:	1242.00
			Live Storage	73.4%

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	163.0	155.4	160-175	Below Low	832.0 (2010)	350.0
	Kalabagh	950	218.9	212.6	No Sig. change	-do-	950.0 (1942)	401.7
	Chashma	950	193.2	170.8	-do-	-do-	1038.9 (2010)	432.7
	Taunsa	1100	197.1	185.1	-do-	-do-	960.0 (2010)	442.2
	Guddu	1200	376.2	364.7	340-375	Medium	1199.7 (1976)	431.3
	Sukkur	1500	364.1	360.1	360-370	-do-	1166.6 (1986)	401.1
	Kotri	875	301.9	299.0	300-320	-do-	980.3 (1956)	286.7
KABUL	Nowshera	-	39.3	39.3	40-55	Below Low	391.3 (1990)	114.2
JHELUM	Manjla	1060	18.0	8.0	20-30	-do-	1090.0 (1992)	114.6
	Rasul	850	3.3	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	50.1	22.2	50-60	-do-	1100.0 (1957)	178.8
	Khanki	1100	33.1	25.2	No Sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	26.5	8.5	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	38.6	28.2	-do-	-do-	944.0 (1928)	96.3
	Punjnad	700	60.1	52.1	-do-	-do-	802.5 (1973)	72.3
RAVI	Jassar	275	2.6	2.6	-do-	-do-	680.0 (1955)	40.4
	Shahdara	250	15.4	15.4	-do-	-do-	576.0 (1988)	28.0
	Balloki	225	38.2	11.7	-do-	-do-	389.8 (1988)	56.3
	Sidhnai	150	22.4	9.8	-do-	-do-	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	16.2	4.6	-do-	-do-	598.9 (1955)	46.2
	Islam	300	6.6	5.0	-do-	-do-	492.6 (1955)	12.5

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)

(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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

BULLETIN No. A-07324

Dated: 26th August, 2024
Time: 11:20 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 & AJK). 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/Tarbel/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:

River Indus at Guddu and Sukkur is at **Medium** flood level, while River Indus at Kotri is at Low flood level.

Alert (During 27th to 31st August):

SEVERE FLASH FLOODING is likely to develop in the areas along Kirthar ranges (Jacobabad, Qambar Shahdadkot, Dadu and Jamshoro districts) and Sulaiman ranges (DG Khan and Rajanpur districts) including nullahs in Balochistan (Zhub, Loralai, Sibbi, Nasirabad and Kalat division). Urban flooding is also expected in the metropolitan cities of Sindh.

II: METEOROLOGICAL FEATURES:

- a) **Depression** over northwest Madhya Pradesh has moved south-southwestwards and today lies over southeast Rajasthan.
- b) Yesterday's trough of westerly wave over northern Afghanistan today lies over northeast Afghanistan and adjoining Pakistan.
- c) Light moist currents are penetrating the upper parts of the country from Bay of Bengal while moderate to strong moist currents are penetrating from both sources into south Sindh and adjoining areas up to 5000 feet. It is very likely to become intense during next 4 days.
- d) Seasonal Low lies over north Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered Thunderstorm rain of moderate intensity is expected over the upper catchments of all the major rivers, Khyber Pakhtunkhwa & Islamabad along with Rawalpindi, Sargodha, Gujranwala, Multan, Bahawalpur and DG Khan division. **Scattered to widespread thunderstorm rain of moderate intensity with isolated heavy falls is expected over south & southeast Sindh.** Isolated Thunderstorm rain of moderate intensity is expected over Faisalabad, Sahiwal, Lahore, Nasirabad, Sibbi, Loralai, Zhub and Kalat divisions.

IV: WEATHER Outlook:

Warning: Widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **Sindh (all divisions) and Balochistan (Zhub, Loralai, Sibbi, Nasirabad, Kalat and Makran divisions) and South Punjab (DG Khan, Multan and Bahawalpur divisions)**, during 27th to 31st August.

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

Indus:	Barkhan=38, Lower Dir=19, Besham=09, Cherat=04, Dir=02, Pattan, Kalam & Murree=01(each), Khaar-Bajaur, Gilgit & Badin=Trace(each).
Jhelum:	Panjera, Bandi Abbaspur & Kotli=01(each), Tandali=Trace.
Chenab:	Sialkot (Cantt)=02.
Ravi:	Faisalabad [Liaqat Bagh=30, Sheranwala Bagh=28, Peoples Colony=10, Airport=Trace].
Sutlej:	-Nil-
Others:	-do-

(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>2.899</u> 22.08.2024	1633.54	57	85
ii. Pong Dam on River Beas	1390	4.991	<u>2.998</u> 22.08.2024	1359.25	60	96
iii. Thein Dam on River Ravi	1732	1.900	<u>0.563</u> 22.08.2024	1645.36	30	75

The data is being shared for flows information,
Dated: 23rd Aug 2024



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

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

Copy forwarded by Fax to:

1. Secretary, Ministry of Water Resources, Islamabad.
2. Chief Secretary, Gilgit/Baltistan, 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/CFFC, 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. XFN Irrigation, Marala Headwork.
24. XFN 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.



National Weather Forecasting Centre
Pakistan Meteorological Department



Total Rainfall (mm) last 24 hours on Monday 26-08-2024 at 0800 PST

Stations		Rainfall (mm)		
Sindh				
Tharparkar	(Nagarparkar 47, Islamkot 18, Mithi 17, Chachro 14, Dhali 12, Kaloi 10 & Diplo 06)			
Badin	Trace			
Balochistan				
Barkhan	38			
Khyber-Pakhtunkhwa				
Dir	(Lower 19 & Upper 02)			
Cherat	04			
Kalam & Pattan	01			
Khaar (Bajaur)	Trace			
Punjab				
Sialkot	(City 02)			
Murree	01			
Faisalabad	Trace			
Kashmir				
Kotli, Bandi Abbaspur, Panjera & Tandali	01			
Gilgit-Baltistan				
Gilgit	Trace			
Maximum Wind Reported				
Station	Wind (kt)	Km/hr	Direction	Time (PST)
NIL				
Maximum Water Level at Nullah Lai (Last 24 Hours)				
Station	Level (Feet)	Time (PST)	Flood Situation	
NIL				



FFD Discharge Report

Recorded at: 26-Aug-2024 12:00 PST

River	Site	Inflow		Outflow	
Indus	Tarbela	167,000	↗	250,600	LOW
	Kalabagh	225,521	↗	219,181	NORMAL
	Chashma	202,377	↗	179,971	NORMAL
	Taunsa	192,817	↘	179,817	NORMAL
	Guddu	365,192	↘	364,700	MEDIUM
	Sukkur	364,050	→	360,050	MEDIUM
	Kotri	306,149	↗	304,099	MEDIUM
Kabul	Nowshera	37,000	↘	37,000	NORMAL
Jhelum	Mangla	18,000	→	8,000	NORMAL
	Rasul	3,062	↘	0	NORMAL
Chenab	Marala	44,765	↘	16,865	NORMAL
	Khanki	37,245	↗	29,297	NORMAL
	Q.Abad	20,304	↘	2,304	NORMAL
	Trimmu	38,593	→	28,193	NORMAL
	Panjnad	59,188	↘	52,088	NORMAL
Ravi	Jassar	2,635	→	2,635	NORMAL
	Shahdara	15,353	→	15,353	NORMAL
	Balloki	38,210	→	11,660	NORMAL
	Sidhnai	21,611	↘	9,011	NORMAL
Sutlej	GS Wala	33	↘	33	NORMAL
	Sulemanki	16,152	→	4,587	NORMAL
	Islam	8,577	↗	7,027	NORMAL

DAM	Current Level		Max Level	Dead Level
Tarbela Dam	1549.91	(-0.09)	1550	1402
Mangla Dam	1216.75	(+0.1)	1242	1050

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