MOST IMMEDIATE / BY FAX



F.2 (E)/2024-NDMA (MW/SITREP-49) Government of Pakistan Prime Minister's Office National Disaster Management Authority (HQ)



Main Murree Road Near ITP Office, Islamabad

Subject: NDMA - Monsoon 2024 Daily Situation Report No. 49

NDMA Monsoon 2024 Daily Situation Report No 49, covering period from 1300 hours

17 August to 1300 hours 18 August 2024 is enclosed for information / necessary action, please.

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

Dated: 18 August 2024

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 - 49 (PERIOD COVERED: 1300 HOURS 17 AUGUST 2024 TO 1300 HOURS 18 AUGUST 2024)

1. Casualties and Injuries (Last 24 hours)

a. <u>Deaths</u>

Province / Region	District		Dea	aths		Remarks
		M	F	С	Т	
Balochistan	Zhob	0	0	1	1	Drowning (Flash Flood)
KP	-	0	0	0	0	-
Punjab	Faisalabad	3	0	0	6	Structural collapse (Factory Roof collapse)
	Sialkot	1	0	2	D	Drowning case (Riverine flooding)
Sindh	-	0	0	0	0	-
Gilgit Baltistan	-	0	0	0	0	-
AJ&K	-	0	0	0	0	-
ICT	-	0	0	0	0	-
Total			0	3	7	

b. <u>Injuries</u>

Province / Region	District		Inju	ıres		Remarks
		M	F	С	T	
Balochistan	Chaman	0	0	1	1	Structure collapse (Roof collapse)
KP	-	0	0	0	0	-
	Bahawalpur	2	0	1		Structure collapse (Roof collapse)
	Muzaffargarh	0	0	2		Structure collapse (Roof collapse)
	Rajanpur	4	0	2		Structure collapse (Roof collapse)
	Faisalabad	2	1	0		Structure collapse (Factory Roof collapse)
Duniah	Narowal	1	0	0	29	Structure collapse (Roof collapse)
Punjab	Lahore	1	1	0	29	Structure collapse (Roof collapse)
	Sheikhupura	1	0	0		Structure collapse (Roof collapse)
	Khanewal	1	1	5		Structure collapse (Roof collapse)
	Sahiwal	1	0	1		Structure collapse (Roof collapse)
	Sargodha	0	1	1		Structure collapse (Roof collapse)
Sindh	-	0	0	0	0	-
Gilgit Baltistan	-	0	0	0	0	-
AJ&K	-	0	0	0	0	-
ICT	-	0	0	0	0	-
Tot	al	13	4	13	30	

2. <u>Damage of Infrastructure & Private Properties (Last 24 hours)</u>

a. Houses Damage and Livestock Perished

Province /	District	Hou	use Damage	9	Livestock
Region		Partial	Full	Total	
Balochistan	Chaman	4	0	5	
Daiochistan	Dera Bugti	0	1	3	
KP	Buner	1	0	2	
I NP	N- Waziristan	1	0	2	
	Bahawalpur	1	0		
	Muzaffargarh	1	0		
	Rajanpur	2	0		
	Faisalabad	2	0		5
Duniah	Narowal	1	0	40	
Punjab	Lahore	1	0	13	
	Shiekhupura	1	0		
	Khanewal	2	0		
	Sahiwal	1	0		
	Sargodha	1	0		
Sindh	-	0	0	0	0
Gilgit Baltistan	-	0	0	0	0
AJ&K	Kotli	0	2	2	0
ICT	-	0	0	0	0
То	tal	19	3	22	5

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

			Roads /	Tracks			Bri	dge	
Province / Region	District	Length of road damage (Kms)	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	-	-	-	•	ı	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-
Sindh	-	-	-	•	-	-	-	-	-
Gilgit Baltistan	-	-	-	-	-	-	-	-	-
AJ&K	-	-	-	-	-	-	-	-	-
ICT	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-

3. <u>Cumulative Casualties - Deaths / Injuries (From 1300 Hours 1 July 2024 to 1300 Hours 17 August 2024)</u>:-

Province		De	aths		Injured					
/Region	M	F	С	Т	M	F	С	Т		
Balochistan*	9	0	6	15	0	1	9	10		
KP	23	12	30	65	37	28	47	112		
Punjab	23	14	37	74	75	56	79	210		
Sindh	11	4	17	32	4	3	6	13		
Gilgit Baltistan	1	0	3	4	0	0	1	1		
AJ&K	0	0	5	5	8	3	5	16		
ICT	0	0	0	0	0	0	0	0		
Total	67	30	98	195	124	91	147	362		

^{*} The death figures have been reconciled with PDMA Balochistan and 2x deaths has been added.

4. <u>Cumulative Damages of Infrastructure & Private Properties (From 1300 Hours 1 July 2024 to 1300 Hours 18 August 2024)</u>:-

Province / Region	Roads	Bridges	Но	use Dam	age	Livestock
	(Kms)		Partial	Full	Total	
Balochistan*	43	6	289	123	412	120
KP	0	6	556	212	768	139
Punjab	0	0	140	100	240	44
Sindh^	0	0	523	227	750	36
Gilgit Baltistan	1.280	14	78	54	132	50
AJ&K	0.233	4	56	25	81	3
ICT	0	0	0	0	0	10
Total	44.513	30	1642	741	2383	402

^{*} PDMA Balochistan has added 40x partially house damaged and livestock fingers in its SITREP and the same has been reflected in NDMA's cumulative house damaged figures.

5. **Road Situations**. NTR.

6. Flood Relief Activities (Last 24 hours)

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
Balochistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[^] PDMA Snidh has reconciled its house damaged fingers in its SITREP and the same has been reflected in NDMA's cumulative house damaged figures.

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
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

- a. Relief Camps Established. NTR.
- b. Rescue Operations
 - (1) **Employment of Boats**. NTR.
 - (2) <u>Employment of Aviation Assets</u>. NTR.
 - (3) Relief Activities in Last 24 hours. NTR.
- 7. <u>Cumulative Flood Relief Activities (From 1300 Hours 1 July 2024 to 1300 Hours 18 August 2024)</u>:
 - a. Cumulative State of Relief Camps Established by PDMAs/SDMA/GBDMA:-

Description	Balochistan	КР	Punjab	Sindh	Gilgit Baltistan	AJ&K	ІСТ	Total
No of Medical Camp	2	0	42	1	0	0	0	45
No of Persons Treated	950	0	3041	0	0	0	0	3991
No of Relief Camps	0	0	40	1	0	0	0	41
No of Person in Relief Camp	0	0	49	0	0	0	0	49
Cooked Food	0	0	600	0	0	0	0	600

b. <u>Cumulative State of Rescue Operations (From 1300 Hours 1 July 2024 To 1300 Hours 18 August 2024) by PDMAs/SDMA/GBDMA</u>:-

Description	Balochistan	KP	Punjab	Sindh	Gilgit Baltistan	AJ&K	ICT	Total
No of Persons Transported	0	0	2518	1500	0	0	0	4018
No of Persons Evacuated / Rescued	281	0	0	1524	0	0	0	1805
Animals Transported	0	0	921	0	0	0	0	921
Animal Vaccinated	0	0	42946	0	0	0	0	42946
Boats Deployed	0	0	68	0	0	0	0	68
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

Page 6 of 12

Hours 1 July 2024 to 1300 Hours 18 August 2024):-

Ser	Relief Items	Balochistan	КР	Punjab	Sindh	Gilgit Baltistan	AJ&K	ІСТ	Total
(a)	Tents	0	45	1862	300	106	9	0	2322
(b)	Ration Bags	0	51	0	0	260	0	0	311
(c)	Blankets	0	57	0	0	333	0	0	390
(d)	Quilts	0	0	0	0	5	0	0	5
(e)	Net Mosquito	0	0	0	800	0	0	0	800
(f)	Plastic Mats	0	44	0	0	104	0	0	148
(g)	Mattress	0	34	0	0	0	0	0	34
(h)	Sleeping Bags	0	0	0	0	30	0	0	30
(i)	Kitchen Sets	0	26	0	0	52	0	0	78
(j)	Hygiene Kits	0	0	0	0	30	0	0	30
(k)	First Aid Kits	0	0	0	0	0	0	0	0
(1)	Jerry can	0	0	0	100	0	0	0	100
(m)	Tarpaulin	0	0	0	0	56	0	0	56
(n)	Gabions	0	0	0	0	80	0	0	80
(o)	Sand Bags	0	0	0	0	500	0	0	500
(p)	Gas Cylinder	0	17	0	0	0	0	0	17
(q)	Water Cooler	0	17	0	0	0	0	0	17

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 18 August 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-065/24

Dated: - 18th 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)	RESERVOIR (FEET) at (00	
INDUS	Scattered thunderstorm rain	Widespread thunderstorm rain (Sindh and DG Khan Division)	TARBELA	Tarana a taran
JHELUM	-do-	Scattered thunderstorm rain (Sargodha Division)	Current: Max. Conservation:	1549.30 1550.00 99.3%
CHENAB	-do-	-do- (Gujranwala Division)	MANGLA Current:	1213.35
RAVI	-do-	-do- (Lahore Division)	Max Conservation: Live Storage	1242.00 70.6%
SUTLEJ	-do-	-do- (Bahawalpur Division)		3,555,57

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

RIVERS	Stations	itations Design	Actual Observations at 0600 PST		Quantitative	Qualitative	Max Flood Peaks (In Thousands of Cusecs)		
			Inflow	Outflow	24-hrs (Inflow)	Level (Inflow)	Historical		Flood Season 2024
	Tarbela	1500	284.0	268.8	250-280	Low	832.0	(2010)	350.0
INDUS	Kalabagh	950	353.6	348.6	340-370	-do-	950.0	(1942)	401.7
	Chashma	950	355.7	339.7	340-365	-do-	1038.9	(2010)	432.7
	Taunsa	1100	369.8	353.8	380-420	Medium	960.0	(2010)	442.2
	Guddu	1200	390.2	390.2	410-450	-do-	1199.7	(1976)	431.3
	Sukkur	1500	384.5	372,6	380-400	-do-	1166.6	(1986)	393.0
	Kotri	875	221.1	187.5	220-230	Low	980.3	(1956)	221.1
KABUL	Nowshera	25	75.6	75.6	50-70	-do-	391.3	(1990)	114.2
JHELUM	Mangla	1060	25.0	10.0	20-40	Below Low	1090.0	(1992)	114.6
, including	Rasul	850	10.8	8.0	No Sig. change	-do-	952.2	(1992)	66.1
CHENAR	Maraia	1100	70.9	49.0	60-70	-do-	1100.0	(1957)	178.8
CHENAB	Khanki	1100	65.9	58.1	No Sig. change	-do-	1086.5	(1959)	177.1
	Qadirabad	807	59.0	41.0	-do-	-do-	948.5	(1992)	163.2
	Trimmu	645	76.3	67.0	80-100	-do-	944.0	(1928)	78.8
	Punjnad	700	55,5	55.5	No Sig. change	-do-	802.5	(1973)	57.9
RAVI	Jassar	275	10.7	10.7	-do-	-do-	680.0	(1955)	40.4
RAVI	Shahdara	250	23.5	23.5	-do-	-do-	576.0	(1988)	28.0
	Balloki	225	56.1	30.1	45-65	Low to Medium	389.8	(1988)	56.1
	Sidhnai	150	25.7	19.7	25-30	Below Low	330.2	(1988)	32.8
SUTLEJ	G.S. Wala	**	2.0	2.0	No Sig. change	-do-	837.0	(1955)	19.7
	Sulemanki	325	17,6	9.5	-do-	-do-	598.9	(1955)	46.2
	Islam	300	10.2	10.2	-do-	-do-	492.6	(1955)	10.6

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

Annex - B

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

BULLETIN No. A-065/24

Dated: 18th August, 2024 Time: 11:20 hours (PST)

14.PDMA'S (D.G's All Provinces & AJK). President Secretariat, Islamahad

 Chairman, Federal Flood Commission, Islamabad.
 Chairman, Indus River System Authority, Islamabad. PM House, Islamabad. Federal Minister for Water Resources, Islamabad.

Governor (All Provinces) 17. Chairman, P CRWR, Islamabad 18. The Secretary General, Red Crescent, Islamabad. Chairman NDMA, Islamabad Chief Minister (All Provinces). 19. Secretary, Irrigation Department, (All Provinces).

PM Secretariat, Islamabad.

20. D.G. Engineers, Eog. Directorate GHQ, Rawalpindi. 21. Pakistan Commissioner for Indus Waters (PCIW), Islamabad., 22. Chief Engineer, Mangla/Tarbela/Chashma. Secretary, Aviation Division, Islamabad. Secretary, Ministry for Water Resources, Islamabad. Secretary, Ministry of Information, Islamabad. 23. Chief Engineer, Irrigation (All Provinces).

Secretary, Climate change, Islamabad 24. Chief Engineer, (All Barrages). 12. Chairman NHA, Islamabad. 25. Chief Engineer, C.D.O. (Muzaffarabad). 13. Chief Secretary (All Provinces). 26. All other concerned.

SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:

I: HYDROLOGICAL SITUATION at 0600 PST:

River Indus at Guddu & Sukkur are at Medium flood level, while River Indus at Tarbela, Kalabagh, Chashma, Taunsa and River Kabul at Nowshera are at Low flood level. Flows in the river Indus at Guddu is likely to increase during next 48- Hours.

During 36 hours:

Warning: High to Very High level flash flooding is expected in the hill torrents of DG Khan division and in the Nullahs of Sibbi, Nasirabad, Loralai, Zhob and Kalat divisions. High level flash flooding is expected in Larkana (Jacobabad and Qambar Shahdadkot districts) and Hyderabad (Dadu and Jamshoro Districts) divisions.

II: METEOROLOGICAL FEATURES:

- Yesterday's trough of Strong Westerly Wave continues to persist over Northern parts of Afghanistan, which is likely to affect the upper catchments of Rivers Kabul, Indus and Jhelum.
- b) Yesterday's well-marked low over Bahawalpur division has weskened into LOW and today centers near Larkana district.
- Moderate To Strong moist currents are penetrating Sindh, South Punjab and adjoining areas of Balochistan from the Arabian Sea, extending up to 7,000 feet. While light to moderate moist currents are influencing the upper parts of the country, extending up to 5,000 feet.
- A fresh WELL-MARKED LOW pressure area has developed over North Bay of Bengal and adjoining Bangladesh.
- Center of directional convergence lies over Larkana division.
- Seasonal Low lies over northwest Balochistan.

III: WEATHER FORECAST FOR NEXT 36-HOURS:

Scattered Thunderstorm rain of moderate intensity with isolated heavy falls is expected over the upper catchments of all the major rivers, Khyber Pakhtunkhwa & Islamabad along with Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad, Sahiwal, Multan, Bahawalpur, Mirpur Khas and Quetta divisions.

Warning: Widespread thunderstorm rain of Moderate to Heavy intensity with Scattered Very Heavy and Isolated Extremely Heavy falls is expected over Sindh (except Mirpur Khas division) along with DG Khan, Zhob, Nasirabad, Loralai, Sibbi, Kalat and Makran divisions.

IV: WEATHER OUTLOOK:

Wet spell is likely to decrease in Southern parts of the country after 36 hours.

A fresh wet spell of Moderate intensity with isolated Heavy falls is expected to start from 20th August over the upper catchments of rivers Kabul, Indus & Jhelum along with Islamabad, Kyber Pakhtunkhwa and Rawalpindi, Sargodha & DG Khan divisions, Moderate intensity rainfall is expected over the upper catchments of rivers Chenab, Ravi and Sutlej along with Gujranwala and Lahore divisions

V: RIVERS CATCHMENTS RAINFALL RECORDED > 5 (MM) DURING LAST 24-HRS (UPTO 0800 PST):

Khairpar=169, Larkana=123, Rohri & Moin-Jo-Davo=119(each), DG Khan [Marri=105, Airport=101, Vehova=12, Induse

Zain Sangbar=19], Sukkur=100, Jacobabad=99, Rajanpur=85, Dødar=75, Rojhan & Jampur=70(each), Bhandu Wala=69, Warsak Dam=62, Ghalanai=55, Bannu=48, Mirpur Khas=35, Attock=32, Padidan=31, Rahim Yar Khan=28, Bosak Bidge=27, Chhor=24, Mianwali (Airbase) & Phulra=23(each), Luyyah (Kror) & Bhakkar=21(each), Luwer Dir=19, Tarbela=18, Khanpur=15, Saidu Sharif=13, Landi Kotal & Mamad Gut=12(each), Khaar-Bajaur=11, D.I.Khan

(City=10 & Airport=08), Oghi & Kurrum Garhi=10(euch), Hyderabad (City)=08, Mithi=06.

Inclum: Sargodha (City=54 & Airbase=43), Joharabad=22, Mandibahauddin & Kallar=18(each), Kotli=17, Panjera=12,

Chakwal=08.

Chenab: Multan [Chungi No.9=92, Kiri Jamandan=83, Shuja Abad=75, Airport & City=24(each)], Jhang=92, Kot Addu=86,

Noorpur Thal=13.

Narowal=49, Khanewal=35, Faisalabad [Gulam Muhammand Abad=23, Gulistan Colony=19, Madina Town=17 Allama Iqbal Colony=15, Dogar Basti=14], Labore [Johar Town=23, Iqbal Tow=12, Township=09, Gulburg=08]. Sutlei

Kalat=48, Sibbi=21, Karachi (Gulshan e Hadeed)=17, Quetta (Samungli=10 & Sheaikh Manda=06), Khuzdar=10, Others: Chaman & Zhob=09(each).

(Shahid Abbas) Chief Meteorologist FFD Labore

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 1ST) REGARDING EASTERN RIVERS OBTAINED FROM INTERNET

33	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	2.710 16.08.2024	1629.51	54	89
ii.	Pong Dam on River Beas	1390	4.991	2,663 16.08.2024	1352.17	53	100
iii.	Thein Dam on River Ravi	1732	1.900	0,489 16.08.2024	1639.58	26	84

The data is being shared for flows information,

Dated: 17th 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:

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

Annex – D



Stations	Rainfall (mm)
	Sindh
Khairpur	169
Larkana	123
Mohenjo Daro, Rohri	119
Sukkur	100
Jacobabad	99
Dadu	75
Mir Pur Khas	35
Padidan	1
Chhor	24
Tharparkar	(Dhali 19, Chachro 10, Kaloi 05, Nagarparkar 02)
Kamchi	(Gulshan e Hadeed 17, Jinnah Terminal 02, Faisal Base 01 Airport, University Road, Met, Complex Trace)
Hyderabad	(City 08, Airport 01)
Mithi	06
Shaheed Benzirabad	05
Tando Jam	02
Badin, Sakrand	01
Dutti, van are	Punjab
D G Khan	(City 101, Vehova 12, Zain Sanghar Nullah 09)
Jhang	92
Kot Addu	86
Rajanpur	(Bhandu Wala 69)
Sargodha	54
Narowal	49
Kharewal	35
Attack	12
Rahim Yar Khan	28
Multan	(City, Airport 24)
Joharabad	22
Bhakkar, Layyah	21
Mandi Bahauddin	18
Khanpur	15
Noor Pur Thal	13
Chakwal	08
Jhelum, Toba Tek Singh	05
Lahore	(City 04, Airport Trace)
Faisalabad, Mangla	(City or, Airport frace)
Bahawalnagar, Sahiwal	03
Bahawalpur	(Airport 02, City Trace)
Sialkot	
Islamabad	(Airport 02, City 01) (Airport, Golra 01, Zeropoint Trace)
Murree, Sheikhupura	(Auport, Goira 01, Zeropoint 1 race)
Gujranwala, Hafizabad, Rawalpindi	Trace
	er-Pakhtunkhwa
Mohmand	(Ghalanai 55)
	(Ghatana 55) 48
Bannu	
Dir	(Lower 19, Upper Trace)
Saidu Sharif	13
Khyber	(Landi Kotal 12)
Bajaur	(Khaar 11)
Dera Ismail Khan Kakul	(City 10, Airport 08) 06



	Maximum W	2500	kullah Lai (Last 24 F	lours)	NE .	
Station	Wind (kt)	Km/hr NII	Direc	tion	Time (PST)	
	994	Maximum Wi			T.	
-71		Gilgit-Ba	altistan			
Garhi Dopatta, Chattar Kalas			01			
	awalakot	30%	04			
Mi	ızaffarabad	60	(City 05, Airport 03)			
	Panjera	- 8		12		
		Kash	mir			
	al Bandin	9	Trace			
	ella, Loralai	***		02		
1	Bar Khan			03		
	Zhob	- 8	Commi	09	447	
	Quetta	**	(Same	ungli 10, Sheikhman	la 06)	
	Khuzdar			10		
	Sibbi			21		
	Kalat	Datocu	istan	48		
Daciia Khan A	irport, Peshawar	Baloch	icton	Trace		
	hinar, Buner	+	Trace			
	ilam Jabba	- 19		02		



FFD Discharge Report

Recorded at: 18-Aug-2024 12:00 PST

River	Site	Inflow		Outflow		
	Tarbela	274,000	M	155,700	NORMA	
	Kalabagh	361,149	~	356,125	Low	
	Chashma	365,041	~	349,041	Low	
Indus	Taunsa	380,043	~	368,043	Low	
	Guddu	390,173	\rightarrow	390,173	MEDIUI	
	Sukkur	384,450	-	372,610	MEDIUI	
	Kotri	221,904	~	187,549	NORMA	
Kabul	Nowshera	65,400	W	65,400	Low	
Jhelum	Mangla	28,000	~	10,000	NORMA	
Juleium	Rasul	7,903	~	5,341	NORMA	
	Marala	70,833	M	48,983	NORMA	
	Khanki	73,979	M	66,035	NORMA	
Chenab	Q.Abad	57,856	M	39,856	NORMA	
	Trimmu	83,693	~	74,443	NORMA	
	Panjnad	55,531	-	55,531	NORMA	
	Jassar	9,219	~	9,219	NORMA	
Pavi	Shahdara	22,862	W	22,862	NORMA	
Ravi	Balloki	56,075	\rightarrow	30,075	NORMA	
	Sidhnai	23,441	1	17,591	NORMA	
	GS Wala	2,000	\rightarrow	2,000	NORMA	
Sutlej	Sulemanki	17,588	→	9,526	NORMA	
	Islam	11,145	~	11,145	11,145 NORM	
DAM	Current L	_evel	Max L	.evel	Dead Level	
Tarbela Dam	1549.61	(+0.31)	155	50	1402	
Mangla Dam 1213.45		(+0.1)	124	1242 1050		