



**Government of Pakistan
Ministry of Climate Change
National Disaster Management Authority
(Prime Minister's Office) Islamabad**



MONSOON 2017 DAILY SITUATION REPORT NO – 029

(Period Covered: 1300 hrs 29 July 2017 – 1300 hrs 30 July 2017)

1. **Rivers Flow Situation Reported by Flood Forecasting Division.** All rivers are flowing at Normal levels except; **River Indus** at Tarbela, Kalabagh, Chashma, Taunsa & Guddu, **River Kabul** at Nowshera which are at **Low Level**. **Light to Moderate flows are expected in the Hill Torrents of D.G. Khan Division and Medium to High flows expected in nullahs of River Chenab and Ravi.** Details at **Annex A**.

2. **Past Meteorological Situation and Future Forecast by PMD.** Significant rainfall reported in last 24 hours is; Malamjabba 87 mm, Shinkiri 77 mm, Islamabad 61 mm, Diplo 56 mm, Mithi 51 mm, Islamkot 44 mm, Nagarparkar 42 mm, Chakwal 40 mm. PMD forecast for next 24 hours predicts scattered rains / thunderstorms with heavy falls at isolated places expected over **Upper Catchments of Rivers Jhelum, Chenab, Ravi & Sutlej** as well as Rawalpindi, Sargodha, Gujranwala, Faisalabad, Lahore, Multan, D.G. Khan & Bahawalpur Divisions. Details at **Annex B**.

3. **Dam Levels**

Serial	Reservoirs	Max Conservation Level & Storage		Current Level & Storage		Remaining Level & Storage	
		(Feet)	(MAF*)	(Feet)	(MAF*)	(Feet)	(MAF*)
a.	Tarbela	1,550.00	6.174	1,530.00	5.054	20	1.12
b.	Mangla	1,242.00	7.406	1,224.35	6.252	17.65	1.154

(* MAF – Million Acre Feet)

4. **Significant Events Last 24 Hours.** Heavy rains and possible cloud burst caused flash flooding in Kalash Valley, District Chitral, Khyber Pakhtunkhwa, at 0600 hours on 29 July 2017. Resultantly, 1x house was partially damaged and a local road crossing and nullah was damaged. No loss of life was reported. Affected family was shifted to safe place and relief was provided by local Levies. Community mobilised to clear local road crossing.

5. **Road Situation (NHA and Respective Provinces).** All roads across the Country are clear for all types of traffic.

6. **Railway Situation.** All railway routes are clear.

7. **Preliminary Losses / Damages Reported.** Overall details of losses / damages during Monsoon Season 2017 are at **Annex C**.

8. **Relief Provided.** Overall details of relief provided at **Annex D**.

9. **Any Critical Activity to Report.** Nothing to Report.
10. **NDMA Recommendations.** Considering ongoing Monsoon spell and weather forecast by PMD, relevant stakeholders are advised to remain on **Alert** and ensure following:-
- a. Clearance of sewerage / drainage system in all major cities especially Karachi, Hyderabad, Islamabad, Rawalpindi, Lahore, Multan, Quetta & Peshawar by relevant stakeholders. Critical monitoring of main sewerage channels passing from all major cities by relevant stakeholders / City Governments.
 - b. Issue timely alerts to people residing in / close to river plains / water courses & Kacha Houses.
 - c. Public awareness to vacate dangerous buildings, remain away from electric wires / poles and avoid swimming during periods of intense rain.
 - d. Sensitise vulnerable population not to venture into nullahs / flash flooding routes.
 - e. There is a **possibility of landslides in Khyber Pakhtunkhwa, AJ&K, & Gilgit Baltistan** areas, vulnerable population should remain alert and necessary preventive measures be taken.
 - f. **Tourists be cautioned** to avoid travelling to areas vulnerable to landslides.
 - g. Vulnerable communities along reaches of major rivers and their tributaries / Nullahs to be sensitised for requisite precautionary measures.
 - h. Monitoring of vulnerable flood protection structures to ward off any **accidental breaches**.
 - i. **Owing to possibility of rain in upper catchments of all major rivers, vulnerable communities along reaches of these rivers, their tributaries & Nullahs to be sensitised for requisite measures.**
 - j. **PDMA Punjab, Sindh & Balochistan Only. Considering possibility of rains in Sindh, Northeast Balochistan & D.G Khan Division, vulnerable communities especially along hill torrents be sensitised for requisite precautionary measures.**
 - K. **PDMA Punjab Only.** Please share segregated data of losses & damages from start of Monsoon Season 2017, as reflected at Annex C.

Annex ATo NDMA SITREP No-029
dated 30 July 2017**RIVERS FLOW SITUATION REPORTED BY FLOOD FORECASTING DIVISION**

Rivers						
River / Structure	Design Capacity	Actual Observed Flow		Forecast for Next 24 hrs (Inflow)	Forecasted Flood Level (Inflow)	Danger Level (V. High Flood)
		In Flow	Out Flow			
<u>River Indus</u>						
Tarbela	1,500	275.0	258.3	275 – 300	Low	650
Kalabagh	950	282.6	274.6	280 – 300	Low	650
Chashma	950	318.4	311.9	300 – 330	Low	650
Taunsa	1,100	276.5	252.3	270 – 280	Low	650
Guddu	1,200	241.2	211.4	240 – 250	Low	700
Sukkur	1,500	188.1	135.4	No Significant Change	Below Low	700
Kotri	875	95.5	61.8	-do-	-do-	650
<u>River Kabul</u>						
Nowshera	540	46.0	46.0	45 – 65	Below Low	200
<u>River Jhelum</u>						
Mangla	1,060	36.0	10.0	35 – 70	Below Low	225
Rasul	850	2.7	0.0	No Significant Change	Below Low	225
<u>River Chenab</u>						
Marala	1,100	93.3	60.7	80 – 100	Below Low	400
Khanki	800	96.0	87.4	No Significant Change	-do-	400
Qadirabad	807	87.2	65.2	-do-	-do-	400
Trimmu	645	32.1	19.3	-do-	-do-	450
Panjnad	700	31.5	16.6	-do-	-do-	450
<u>River Ravi</u>						
Jassar	275	4.3	4.3	5 – 25	Below Low	150
Shahdara	250	18.1	18.1	No Significant Change	-do-	135
Balloki	225	42.1	9.4	-do-	-do-	135
Sidhnai	150	17.3	2.3	-do-	-do-	90
<u>River Sutlej</u>						
G.S. Wala	--	6.0 (Gauge in Feet)		No Significant Change	Below Low	25.3 Feet
Sulemanki	325	16.2	3.0	-do-	-do-	175
Islam	300	1.0	0.0	-do-	-do-	175

Note. All data in Thousands of Cusecs.

PAST METEOROLOGICAL SITUATION AND FUTURE FORECAST BY PMD

1. **Rainfall Reported Last 24 Hours**

- a. **Islamabad**. Saidpur 61 mm and Bokra 1 mm.
- b. **Punjab**. Chakwal 40 mm, Murree 08 mm, Shakargarh 7 mm, Jhelum 6 mm, Noorpur Thal 5 mm, Joharabad 4 mm, Sargodha 4 mm, Gujranwala 3 mm and Kund 1 mm.
- c. **Khyber Pakhtunkhwa**. Malamjabba 87 mm, Shinkiari 77 mm, Domel 23 mm, Talhatta 19 mm, Risalpur 8 mm, Balakot 7 mm, Oghi 5 mm, Kalam 5 mm, Kakul 4 mm, Upper Dir 3 mm, Kohat 3 mm, Saidu Sharif 2 mm and Attock Khairabad 1 mm.
- d. **Sindh**. Diplo 56 mm, Mithi 51 mm, Islamkot 44 mm, Nagarparkar 42, Chhor 26 mm, Chachro 22 mm, Dhahli 8 mm, Kaloi 3 mm, Rasheedabad 2 mm, Tando Jam 2mm and Badin 1 mm.
- e. **Balochistan**. Khuzdar 2 mm and Barkhan 2 mm.
- f. **AJ&K**. Muzaffarabad 14 mm, Rawalakot 7 mm, Chattar Kallas 4 mm, Garhi Dupatta 3 mm and Hattian Bala 2mm.
- g. **Gilgit Baltistan**. Bagrote 1 mm and Gilgit 1 mm.
- h. **FATA**. Parachinar 18 mm.

2. **Weather Forecast Next 24 Hours**. Scattered rains / thunderstorms with heavy falls at isolated places expected over **Upper Catchments of Rivers Jhelum, Chenab, Ravi & Sutlej** as well as Rawalpindi, Sargodha, Gujranwala, Faisalabad, Lahore, Multan D.G. Khan and Bahawalpur Divisions. Scattered rains / thunderstorms expected over **Upper Catchments of River Indus** and Khyber Pakhtunkhwa. Isolated rains / thunderstorms expected over Northeast Balochistan.

Light to Moderate flows expected at Hill Torrents of D.G. Khan.

3. **Weather Outlook from 31 July – 1 August 2017**. Scattered thunderstorms / rains with isolated heavy falls and very heavy falls at one or two places expected over Gujranwala, Faisalabad, Lahore, Sahiwal, and Bahawalpur Divisions. Moderate rainfall expected over Upper Catchments of all Major Rivers as well as Khyber Pakhtunkhwa and rest of Punjab. Medium to High flows expected in nullahs of River Chenab and Ravi.

4. **Weather Last 24 Hours**. Rains / thunderstorms occurred at scattered places in Upper Punjab, Khyber Pakhtunkhwa, Islamabad, FATA and Kashmir. Weather remained hot and humid in other parts of the country.

Annex CTo NDMA SITREP No-029
dated 30 July 2017**PRELIMINARY DAMAGES / LOSSES MONSOON – 2017**

(FROM 26 JUNE TO 29 JULY 2017)

Provinces	Deaths				Injured				Houses Damaged		
	M	F	C	T	M	F	C	T	P	F	T
Punjab	-	-	-	30	-	-	-	77	-	22	34
Khyber Pakhtunkhwa	6	1	9	16	5	5	10	20	131	38	169
Sindh	3	-	3	6	4	6	7	17	5	-	5
Balochistan	13	4	9	26	-	-	-	-	36	-	36
AJ&K	1	-	-	1	-	1	-	1	17	12	29
FATA	1	6	6	13	3	8	5	16	3	3	6
Gilgit-Baltistan	-	-	-	-	-	-	-	-	5	-	5
ICT	1	1	1	3	-	-	-	-	1	-	1
TOTAL	-	-	-	95	-	-	-	131	-	-	285

Source. PDMA's

M,F,C denotes Male, Female & Children while P & F denote Partially & Fully

Annex DTo NDMA SITREP No-029
dated 30 July 2017**RELIEF PROVIDED MONSOON – 2017**

Items	Khyber Pakhtunkhwa	Balochistan	Sindh	TOTAL
	PDMA / DDMA's	PDMA / DDMA's	PDMA / DDMA's	
Tents	155	400	300	855
Food Items (Bags)	-	100	-	100
Wheat (Bags)	600	-	-	600
Rice (Bags of 25 Kgs each)	-	220	-	220
Blankets / Quilts	570	-	-	570
Plastic Mats	150	100	-	250
Kitchen Sets	300	150	-	450
Mosquito Nets	300	1,100	-	1,400
Sleeping Bags	-	250	-	250
Water Tanks	-	150	-	150
Jerry Cans	300	1,000	-	1,300
Life Saving Jackets	-	50	50	100
Gas Cylinders	150	-	-	150
De-watering Pumps	-	-	91	91
Boats with OBMs	-	-	3	3