

Situation Report on Flood/Rain Damages

As On 16th September 2010

Update on weather / rainfall and flood (as taken from Pakistan Metrological Department on 16th September 2010) is at glance. Pakistan Metrological Department in their hydrological report has highlighted significant flood forecast for River INDUS at Kotri.

Kotri

According to latest Hydrological condition **River Indus** at **Kotri** is likely to remain in **Medium** Flood level, ranging between **4,40,000 to 3,90,000 (cusecs) during next 24 hours.**

As River Indus at Kotri has attain a Medium Flood level and falling continuously. Therefore this link will not be updated further.

WEATHER/RAINFALL FORECAST FOR NEXT 24 HRS:

RIVERS	Upper Catchments (Above Rim Stations)	Lower Catchments (Below Rim Stations)
INDUS	Isolated thunderstorm / rain	Isolated thunderstorm / rain (Rawalpindi Division)
JHELMUM	Mainly Dry	-do- (Sargodha Division)
CHENAB	-do-	Mainly Dry (Gujranwala Division)
RAVI	-do-	-do- (Lahore Division)
SUTLEJ	-do-	-do- (Bahawalpur Division)

FLOOD FORECAST OF GAUGING STATIONS (IN THOUSANDS OF CUSECS)

RIVERS	Stations	Design Capacity	Actual Observations at 0600 PST		Computerized Forecast for Next 24 hrs. (Inflow)	Forecasted Flood Level (Inflow)	Danger Level (Very High Flood)
			Inflow	Outflow			
INDUS	Tarbela	1500	106.0	99.0	90-105	Below Low	650
	Kalabagh	950	162.2	156.2	No significant change	-do-	650
	Chashma	950	167.8	162.6	-do-	-do-	650
	Taunsa	1000	195.1	187.6	-do-	-do-	650
	Guddu	1200	195.0	180.5	-do-	-do-	700
	Sukkur	900	204.1	157.3	180-200	Low	700
	Kotri	850	291.4	271.9	270-290	-do-	650
Kabul	Nowshera	-	32.6	32.6	No significant change	Below Low	200

JHELUM	Mangla	1060	27.0	27.7	25-30	-do-	225
	Rasul	850	17.3	0.0	No significant change	-do-	225
CHENAB	Marala	1100	43.4	21.2	-do-	-do-	400
	Khanki	800	35.3	27.9	-do-	-do-	400
	Qadirabad	807	54.7	32.7	-do-	-do-	400
	Trimmu	645	41.5	29.0	-do-	-do-	450
	Punjad	700	41.6	28.7	-do-	-do-	450
RAVI	Jassar	275	7.3	7.3	-do-	-do-	150
	Shahdara	250	21.4	21.4	-do-	-do-	135
	Balloki	225	42.5	13.3	40-45	Low	135
	Sidhnai	150	19.1	5.9	No significant change	Below Low	90
SUTLEJ	G.S.Wala	--	17.0	(Gauge only)	16-17	-do-	25.3 (Feet)
	Sulemanki	325	50.2	36.6	45-55	Low	175
	Islam	300	19.4	17.0	20-30	Below Low	175

Province-wise Situation Report for NH network;

Route wise updated status of rain / flood damages in different regions as intimated by Regional Offices is as below:

Khyber Pakhtunkhwa Province

N-5:- Khairabad to Torkham, Km 1630 – Km 1756

- Road is open for all types of traffic.

N-55:- Ramak to Peshawar, Km 872- Km 1228 (Indus Highway)

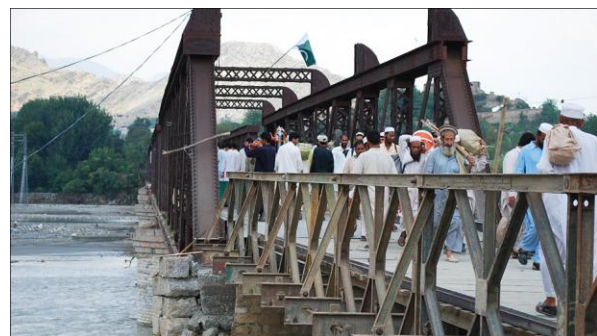
- Road is open for all types of traffic.
- 1.5 Km long approach road of Bridge No. 11 at Km 402 had washed out where temporary detour has been provided.

N-50:- Zhob – DI Khan, Km. 310 – 531

- Road is open for all types of traffic.

N-45:- Nowshera – Chitral, Km. 0 - 309

- Bailey bridge on old damaged Chakdara Bridge at Km 88+100 has been launched by FWO. Road is open for light traffic vehicle.



- **Bailey bridge on main Chakdara Bridge (parallel to old Chakdara bridge) at Km 88+100 is launched and road is open for heavy traffic vehicle.**

N-35 (KKH):- Hassanabdal – Abbottabad – Mansehra – Khunjrab, Km 0 – 806

- Hassanabdal – Haripur Section (Km. 0 - 33), Shahia Bridge at Km. 10, floor apron 50m in length has washed out and heavy scouring around pier foundation has occurred. Bridge foundation is in critical condition. M/s Lawaghar was mobilized at site for immediate restoration works in which filling of boulders at downstream is done. **Road is operational for traffic.**
- Haripur – Abbottabad Section (km. 33 – 70), protection work at pier No. 5 & 6 of Ayub Bridge at Km. 55+500 has been damaged due to flood water. Structural Expert has visited the site on 2nd August 2010 and has recommended remedial measures. M/s Zardad & Brothers was mobilized at site for restoration works in which filling of boulders at downstream is done. **Traffic is plying.**
- Besham Bridge at Km 210 had washed out and one way road on old Besham Bridge was open for all types of traffic. Now, **construction work on approaches & abutment of main bridge (on downstream) has been completed and Bailey bridge is launched. Main bridge is also operational for traffic.**
- Shograh Bridge at Km 231 + 050 had washed out and traffic was moving through diversion. **At present, Bailey bridge on Shograh Bridge has been installed and bridge is open for traffic.**

- **Bailey bridge on Dubair Nullah at Km 237 has been launched and road is open for all types of traffic.**



- Kail Bridge had washed out at Km 257. FWO has **launched the Bailey bridge and road is open for traffic.**
- **N-35 (KKH) from Hassanabdal to Gilgit is open for traffic.**

N-15:- Mansehra – Balakot – Naran – Chillas, Km. 00 - 240

- Road between Km 0 – 83 (Mansehra – Mahandri) is open for all types of traffic.
- Land slides have occurred between Km 83 – 123. However, one way road is open for traffic.

- One damaged bridge at Km 138 (Batakundi) & two damaged bridges at Km 150 (Barwai) have been restored with wooden logs for light traffic. Compact 200 bridges are to be installed on main bridges.
- At Km 220 (Singum) temporary bridge is open for traffic.
- Road between Km 221 – 223 (Babusar Top – Chillas) is open for traffic.

N-90:- Khwazakhela – Besham, Km. 00 – 64

- 01 x bridge at Km 3+600 along with 31 Km of road was washed out, However, after lot of efforts road has been opened for traffic from Khwazakhela - Alpuri - Besham.

N-95:- Chakdara – Kalam, Km. 00 – 135

- 07 x bridges at Km 36 (Mingora), Km 46 (Sangota), Km 94 (Madyan-1), Km 95 (Madyan-2), Km 105 (Bahrain), Km 110 & Km 125 (Asrait) respectively has washed away. Bailey bridge is launched at km 36, diversion is provided at Km 46 and from Km 88 - 93 (Madain) by FWO. Road is open for traffic from Km 0 – 93 (Chakdara – Madyan).
- A 27 kms of road between Km 100 - 135 has washed away due to flood water, which requires realignment and reconstruction. However, efforts are being made to prepare a jeep able track from Madain to Kalam for which two teams of Pakistan Army: 476 Engineer's Brigade is working, one from Madain side and other from Kalam side. Jeep able track from Madain - Zarinal (Km 93 - approx. Km 110) and from Asrait – Kalam (Km 125 – 135) have been primed.

M-1:- Indus Bridge – Peshawar, Km. 68 - 153

- Road is open for all types of traffic.

S-1:- Jaglot (Gilgit) – Skardu, Km. 00 – 167

- Road is open for traffic.

Punjab Province

N-5:- Kot Sabzal – Khairabad, Km. 608 – 1630

- Road is open for all types of traffic.

N-5A:- Khanewal – Bahawalpur, Km. 00 – 102

- At certain locations, rain cuts & pot holes have developed due to which road has got damaged. However, road is open for all types of traffic.

N-55:- Kashmore – Ramak, Km. 495 – 872

- **Vehova Bridge at Km 853 (on D.G Khan Side) is open for all types of traffic.**
- **Rest of the section is also open for all types of traffic.**



N-70:- Multan – Bewata, Km. 00 – 182

- At Km 60+900 a RCC bridge of 20m length (two spans of 9.5m) having 6.5m of width has washed out on 09.08.2010 due to heavy flood discharge. **Bailey bridge is launched. Road from Multan - D.G Khan is open for all types of traffic.**
- Diversion is being constructed at 60+900 where Bailey bridge is launched as heavy traffic to some extent has damaged the base plates of deck slab of bridge.

N-75:- Islamabad – Murree – Kohala, Km. 00 – 90)

- Road is clear for all types of traffic.

S-2:- Kohala – Muzaffarabad, Km. 00 – 40

- Road is open for traffic.

N-80:- Tarnol – Khushal Garh Bridge

- Road is open for all types of traffic. However, Commissioner Kohat is not allowing to through the heavy traffic due to reservations on structural adequacy of Khushal Garh Bridge.

M-1:- Islamabad – Indus Bridge, Km. 00 – 68

- Motorway is open for all types of traffic.

M-2:- Lahore – Islamabad Motorway (00 – 354)

- Motorway is open for all types of traffic.

M-3:- Pindi Bhattian – Faisalabad Motorway, Km. 00 - 53

- Motorway is open for all types of traffic.

Sindh Province

N-5:- Karachi – Kot Sabzal, Km. 00 – 608

- Road between **Km 605 – 613 (near Kot Sabzal) is open for all types of traffic.**
- Considerable damage has occurred at Km 156 (Pulleli Bridge), Km 180 (before Hala), Km 218 (before Saeedabad) & Km 300 (Daulatpur). . **However, road is open for traffic.**
- Road between Km 262 to Km 263 (Sukho Manahijo) has settled and road between Km 412 – 414 (Ranipur City area) has also got damaged. **However, road is open for traffic.**
- Road between Km 99 -110 (near Thatta City) **is open for all types of traffic.**

N-55:- Kotri – Kashmore, Km. 00 – 495

- **Road between Km 218 – 238 (Khairpur Nathan Shah – near Mehr) is still submerged under water of 1.5 - 2 ft height. Traffic is still suspended.** (Status is likely to remain the same till the improvement in flood water situation at Manchar Lake in River Indus). However, **provincial link road from Dadu – Seeta – Mehr is open for light vehicle.**
- **Road between Km 400 - 428 (Karampur – Ghouspur) is partially open for traffic as the flood water has somewhat receded in the locale.**
- **Whereas from Km 428 – 431 (Ghouspur - Unerwah) road is still submerged under 1.5ft water due to breach of Thori Band and traffic is suspended.**



- Rest of the section is **open for all types of traffic.**

N-65:- Sukkur – Jacobabad, Km. 00 – 90

- Maintenance work at various locations between Km 7 – 35 (Sukkur – Shikarpur) is in progress to rectify the damages.
- **Flood water has breached a road section of 400m & 100m between Km 46 – 47.** Repair work is in progress.

- **As the flood water has receded, road between Km 47 – 64 (Sultankot - Humayun) has been opened for traffic.**

M-8:- Retodero – Shadad Kot - Qubo Saeed Khan, Km. 00 – 64

- Road is submerged in flood water from Shadad Kot Bypass – Kuchi Pul (near Qubo Saeed Khan) and has got considerably damaged in a length of 32km (Shadad Kot – Bhanri Wandh – Qubo Saeed Khan) as flood water has breached the road at 18 different locations. **Road is blocked.**



M-9:- Karachi – Hyderabad Motorway, Km. 00 – 136

- At certain locations, rain cuts & pot holes have developed due to which road is damaged. Repair work has already commenced. Extensive potholes require maintenance. However, **road is open for all types of traffic.**

Balochistan Province

N-10 (Makran Coastal Highway):- Lyari – Gwadar, Km. 00 – 530

- No major damages have been reported except minor potholes have been developed. **Road is open for all types of traffic.**

N-25:- Karachi – Quetta – Chaman, Km. 00 - 813

- As of 16th September 2010, no major damages have been reported. **Road is open for all types of traffic.**

N-40:- Lakpass – Noshki – Taftan, Km. 00 – 610

- As of 16th September 2010, no major damages have been reported. **Road is open for all types of traffic.**

N-50:- Kuchlak – Qila Saifullah – Zhob, Km. 00 – 310

- As of 16th September 2010, no major damages have been reported. **Road is open for all types of traffic.**

N-65:- Jacobabad – Sibi – Sarwab (Quetta), Km. 90 – 385

- As the flood water has descended on Dera Allah Yar Bypass, road area submerged under flood water has reduced to Km 90 – 93. There are few breaches as well, resulted by gushing flood water and requires repair. Traffic is suspended. **However, (Dera Allah Yar) old road is open for traffic.**



- **Rest of the section is open for traffic.**

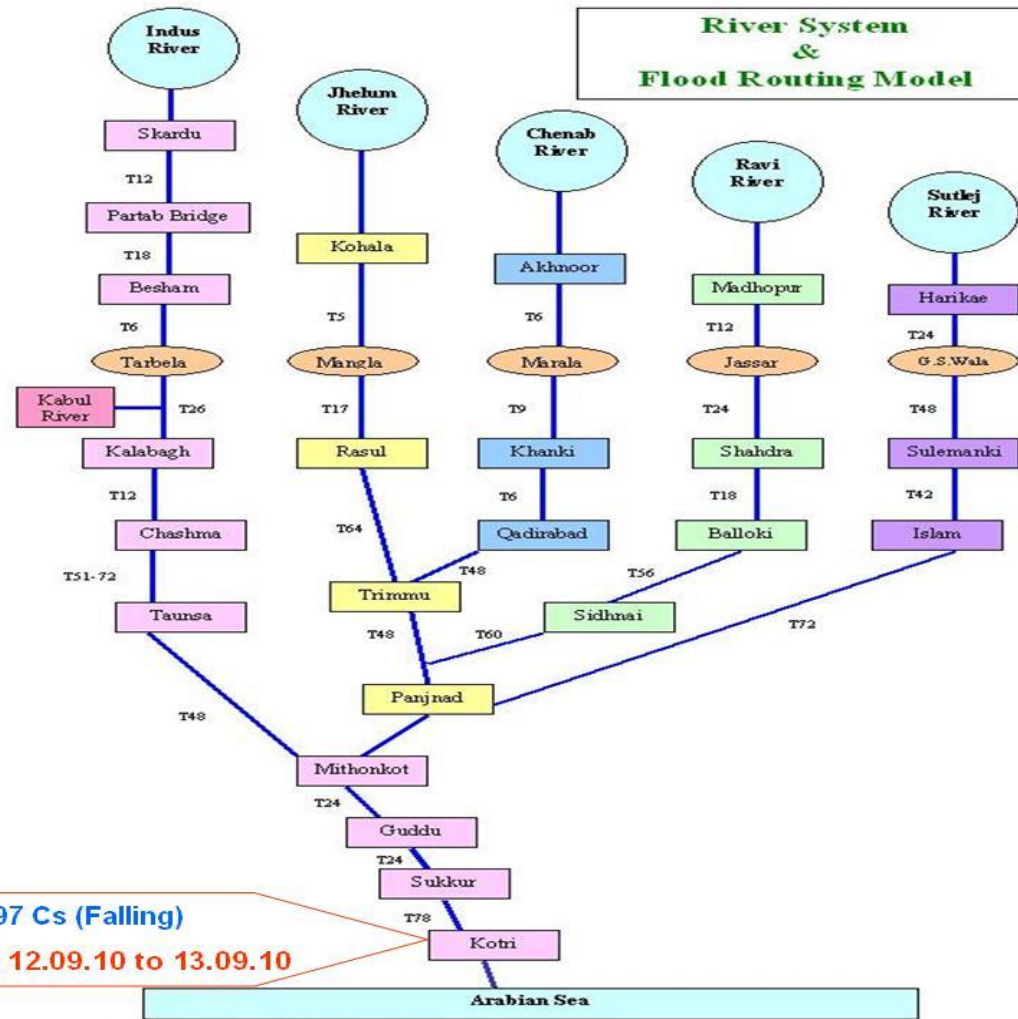
N-70:- Bewata – Loralai – Oila Saifullah, Km. 182 – 447

- **Road is open for all types of traffic.**

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## Flood Situation as on 12<sup>th</sup> September (0600 PST) & Forecast



Source: Flood Forecasting Division, Pakistan Meteorological Department

