Situation Report on Flood/Rain Damages

As On 27\textsuperscript{th} September 2010

Update on weather / rainfall and flood (as taken from Pakistan Metrological Department on 27\textsuperscript{th} September 2010) is at glance.

WEATHER/RAINFALL FORECAST FOR NEXT 24 HRS:

<table>
<thead>
<tr>
<th>RIVERS</th>
<th>Upper Catchments (Above Rim Stations)</th>
<th>Lower Catchments (Below Rim Stations)</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDUS</td>
<td>Mainly Dry</td>
<td>Mainly Dry (Rawalpindi Division)</td>
</tr>
<tr>
<td>JHELUM</td>
<td>-do-</td>
<td>-do- (Sargodha Division)</td>
</tr>
<tr>
<td>CHENAB</td>
<td>-do-</td>
<td>-do- (Gujranwala Division)</td>
</tr>
<tr>
<td>RAVI</td>
<td>-do-</td>
<td>-do- (Lahore Division)</td>
</tr>
<tr>
<td>SUTLEJ</td>
<td>-do-</td>
<td>-do- (Bahawalpur Division)</td>
</tr>
</tbody>
</table>

FLOOD FORECAST OF GAUGING STATIONS (IN THOUSANDS OF CUSECS)

<table>
<thead>
<tr>
<th>RIVERS</th>
<th>Stations</th>
<th>Design Capacity</th>
<th>Actual Observations at 0600 PST</th>
<th>Computerized Forecast for Next 24 hrs. (Inflow)</th>
<th>Forecasted Flood Level (Inflow)</th>
<th>Danger Level (Very High Flood)</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDUS</td>
<td>Tarbela</td>
<td>1500</td>
<td>72.0</td>
<td>65-80</td>
<td>Below Low</td>
<td>650</td>
</tr>
<tr>
<td></td>
<td>Kalabagh</td>
<td>950</td>
<td>87.0</td>
<td>No significant change</td>
<td>-do-</td>
<td>650</td>
</tr>
<tr>
<td></td>
<td>Chashma</td>
<td>950</td>
<td>92.3</td>
<td>-do-</td>
<td>-do-</td>
<td>650</td>
</tr>
<tr>
<td></td>
<td>Taunsa</td>
<td>1000</td>
<td>97.5</td>
<td>91.5</td>
<td>-do-</td>
<td>650</td>
</tr>
<tr>
<td></td>
<td>Guddu</td>
<td>1200</td>
<td>113.6</td>
<td>105.7</td>
<td>-do-</td>
<td>700</td>
</tr>
<tr>
<td></td>
<td>Sukkur</td>
<td>900</td>
<td>127.5</td>
<td>82.1</td>
<td>-do-</td>
<td>700</td>
</tr>
<tr>
<td></td>
<td>Kotri</td>
<td>850</td>
<td>164.3</td>
<td>139.1</td>
<td>-do-</td>
<td>650</td>
</tr>
<tr>
<td></td>
<td>Kabul</td>
<td>-</td>
<td>26.6</td>
<td>-do-</td>
<td>-do-</td>
<td>200</td>
</tr>
<tr>
<td>JHELUM</td>
<td>Mangla</td>
<td>1060</td>
<td>22.0</td>
<td>20-25</td>
<td>-do-</td>
<td>225</td>
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<td></td>
<td>Rasul</td>
<td>850</td>
<td>28.6</td>
<td>11.9</td>
<td>No significant change</td>
<td>-do-</td>
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<tr>
<td>CHENAB</td>
<td>Marala</td>
<td>1100</td>
<td>29.5</td>
<td>5.0</td>
<td>-do-</td>
<td>400</td>
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<tr>
<td></td>
<td>Khanki</td>
<td>800</td>
<td>8.4</td>
<td>1.1</td>
<td>No significant change</td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Qadirabad</td>
<td>807</td>
<td>20.0</td>
<td>0.0</td>
<td>-do-</td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Trimmu</td>
<td>645</td>
<td>12.7</td>
<td>2.2</td>
<td>-do-</td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Punjnad</td>
<td>700</td>
<td>27.7</td>
<td>14.4</td>
<td>-do-</td>
<td>-do-</td>
</tr>
<tr>
<td>RAVI</td>
<td>Jassar</td>
<td>275</td>
<td>7.3</td>
<td>7.3</td>
<td>-do-</td>
<td>-do-</td>
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<tr>
<td></td>
<td>Shahdara</td>
<td>250</td>
<td>15.9</td>
<td>15.9</td>
<td>-do-</td>
<td>-do-</td>
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<tr>
<td></td>
<td>Balloki</td>
<td>225</td>
<td>40.6</td>
<td>21.1</td>
<td>38-42</td>
<td>Low</td>
</tr>
<tr>
<td></td>
<td>Sidnai</td>
<td>150</td>
<td>23.1</td>
<td>9.0</td>
<td>No significant change</td>
<td>Below Low</td>
</tr>
<tr>
<td>SUTLEJ</td>
<td>G.S.Wala</td>
<td>--</td>
<td>19.00</td>
<td>(Gauge only) 18.5-20</td>
<td>-do-</td>
<td>25.3 (Feet)</td>
</tr>
<tr>
<td></td>
<td>Sulemanki</td>
<td>325</td>
<td>39.7</td>
<td>25.4</td>
<td>40-55</td>
<td>Low</td>
</tr>
<tr>
<td></td>
<td>Islam</td>
<td>300</td>
<td>19.6</td>
<td>17.0</td>
<td>No significant change</td>
<td>Below Low</td>
</tr>
</tbody>
</table>
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.

**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. **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.**
- Construction work on approaches & abutment of Besham Bridge at Km 210 has been completed and Bailey bridge is launched. Road is open for traffic.
- Bailey bridge on Shograh Bridge at Km 231 + 050 has been installed and road is open for traffic.
- Bailey bridge on Dubair Nullah at Km 237 was 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. Further, road at Km 95+100 had settled enormously in about 167 m portion and were filled with material to through the 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.
- **Landslide at Km 71+750 (near Paras) has been cleared and road is open for traffic.**
- 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**

- Road is open 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. **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.
- **Efforts are being made to construct a Jeep able on left side of the river (which is a new alignment). From Km 93 (Madyan) to 106 (Bahrain), Jeep able track has been completed,**
whereas from Kalam side i.e. from Km 136 to Km 125, jeep able track has been completed. Efforts are underway to complete the remaining portion from Km 106 to 125 (which may take few days due to huge quantum of work involved in it).

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.
- Construction work on diversion at 60+900 has been accomplished (where Bailey bridge was launched and heavy traffic to some extent had damaged the base plates of deck slab of bridge). Now, diversion is also operational for traffic.

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

- Road is open for traffic.
N-80:- Tarnol – Khushal Garh Bridge

- Road between Km 108 – 109 (Khushal Garh) is open for light traffic whereas maintenance works at site is in progress and heavy traffic will be restored soon. Rest of the road is open for all types of traffic.

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

- Flood water of 2 - 3 ft height has blanketed the road between Km 140 (near Sehwan) to Km 155 (Bhan Saeedabad) and traffic is suspended. Further, during the recce (on boat) it is revealed that road at Km 142 & 144 (Bubak) has washed out in a length of 60 m & 70 m respectively. Status is likely to remain the same till the improvement in flood water situation at Manchar Lake in River Indus.
- Road between Km 218 – 238 (Khairpur Nathan Shah – near Mehr) is still submerged under water due to ascending level of flood up to 3 – 4 ft height in preview of breaches in Humal Lake & MNV Drain. Traffic is still suspended. However, provincial link road from Dadu – Seeta – Mehr is open for light vehicle.
- Temporary restoration works on abutment of Dhamrahwah Bridge at Km. 260 has been completed. **Traffic is running smoothly.**

- **Road from 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 1.5 ft flood water due to breach of Thori Band which has now been repaired, however traffic is still suspended due to collapsed culvert at Km 429 and a breach on road at Km 430+700 in a length of 150 m having 20 ft depth. Repair work on breach by filling of heavy boulders and providing cross-drainage pipe is in progress. Traffic will be restored within a day.

- 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.

- Culvert at Km 48 has got washed away due to heavy flood water. Repair work will commence soon.

- **As the flood water had fairly receded, road between Km 49 – 64 (Sultankot - Humayun) has partially been opened for traffic.**

- Three breaches have occurred on Jacobabad Bypass section between Km 72 - 90 which are yet to be fixed.

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

- Flood water in Shadad Kot – Bhanri Wandh – Qubo Saeed Khan section has moderately receded, however, 18 number of breaches need to be plugged. **Road is block for traffic.**
M-9:- Karachi – Hyderabad Motorway, Km. 00 – 136

- 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 27th 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 27th 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 27th September 2010, no major damages have been reported. Road is open for all types of traffic.

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

- Flood water on road surface from Km 90 – 93 has descended. On the contrary, traffic is suspended due to considerable damage caused by three breaches to road between Km 90 - 97. Repair work on breach at Km 95+700 has been completed and advancement to other breached locations is in progress. However; (Dera Allah Yar) old road is open for traffic.

- Rest of the section is open for traffic.

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

- Road is open for all types of traffic.