



**GOVERNMENT OF PAKISTAN
PRIME MINISTER'S OFFICE
NATIONAL DISASTER MANAGEMENT AUTHORITY
ISLAMABAD**



F. No. 787/IA&PD/Advisory/ NDMA/2026

Islamabad, dated 8th July 2026

Subject: Monsoon Infrastructure Advisory – 2026

1. Pakistan is entering the core monsoon season during July to September 2026. Although the seasonal outlook indicates generally normal to below-normal rainfall across much of the country, localized high-intensity **rainfall events are expected to occur throughout the season**. These rainfall episodes, combined with above-normal temperatures, accelerated glacier and snowmelt, saturated slopes, and localized cloudbursts, have the potential to trigger flash floods, riverine flooding, urban flooding, hill torrents, Glacial Lake Outburst Floods (GLOFs), debris flows and landslides. These hazards pose **significant risks to critical infrastructure**, public services, transportation networks and economic activities across Pakistan. It is further submitted that, with reference to our **letters nos F.No. 786/NDMA/IA&PD/Gen/NDMA /2024 dated 31 Jul 2025, F.No. 792/IA&PD/Infra-Audit/NDMA/2025 dated 30 December 2025 and F.No 792/IA&PD/Infra-Audit/2026 dated 19 February 2026**, NDMA has already initiated the National Infrastructure Audit Program 2026 and conducted the inaugural kick-off session at NDMA Headquarters. A comprehensive implementation plan and Infra Audit Guidelines have been shared with all relevant stakeholders to facilitate the proactive identification and assessment of vulnerable and structurally weak infrastructure. The initiative aims to support timely implementation of remedial measures, strengthen infrastructure resilience, and enhance disaster risk reduction well in advance of future hazard events.

1. Some of the vulnerable areas include:-
 - a. Islamabad Capital Territory
 - b. **Punjab:** Rawalpindi, Islamabad Capital Territory, Jhelum, Gujrat, Sialkot, Narowal, Lahore, Faisalabad, Gujranwala, Sargodha, Dera Ghazi Khan, Rajanpur, Muzaffargarh, Bahawalpur, Rahim Yar Khan, and surrounding areas.
 - c. **KPK:** Chitral, Swat, Upper Dir, Lower Dir, Kohistan, Mansehra, Abbottabad, Nowshera, Charsadda, Mardan, and surrounding areas.
 - d. **Gilgit:** Hunza, Nagar, Ghizer, Gilgit, Diamer, Astore, Skardu, Shigar, Ghanche, Kharmang, and surrounding areas.
 - e. **Sindh:** Karachi, Hyderabad, Thatta, Badin and surrounding areas.
 - f. **Balochistan:** Quetta, Zhob, and surrounding highlands.
 - g. **AJK:** Muzaffarabad, Neelum Valley, Bagh, and surrounding areas.
2. The projected monsoon conditions may result in:
 - a. Road blockages due to flash floods, debris flows, landslides and slope failures.

- b. Damage to **bridges, culverts and river crossings** resulting from scour, debris accumulation and high flow velocities.
 - c. Urban flooding caused by **blocked drainage systems, encroached nullahs** and high-intensity rainfall.
 - d. Structural instability of retaining walls, embankments and slope protection structures.
 - e. Failure of power transmission systems, substations and **communication infrastructure**.
 - f. Disruption of railway operations due to embankment failures, track inundation and bridge damage.
 - g. Damage to irrigation canals, **flood protection bunds and hydraulic structures**.
 - h. Temporary isolation of remote mountain communities due to road closures.
3. In view of the projected infrastructure risks, all concerned **Federal Ministries, Provincial Governments, PDMAs, GBDMA, SDMA, District Administrations** and line departments are advised to undertake the following measures:
- a. Infrastructure Preparedness:-
 - (1) Conduct **immediate structural inspections** of highways, bridges, culverts, retaining walls, embankments, tunnels and flood protection structures.
 - (2) Identify infrastructure vulnerable to **flooding, erosion, scour and landslides** and implement emergency strengthening works.
 - (3) **Remove debris, sediment and vegetation** from storm-water drains, nullahs and culverts before forecast rainfall events.
 - (4) Reinforce **retaining structures, slope stabilization works and protective barriers** along vulnerable road corridors.
 - (5) Ensure uninterrupted operation of urban drainage pumping stations.
 - b. Transportation Networks:-
 - (1) Position road clearance machinery, excavators, loaders and engineering teams at strategic locations.
 - (2) Maintain **emergency diversion routes** for all critical highways.
 - (3) Install warning signage along flood-prone road sections.
 - (4) **Restrict heavy vehicle movement** during extreme rainfall events where necessary.
 - (5) Conduct continuous monitoring of bridges crossing major rivers and hill torrents.
 - c. Urban Infrastructure:-
 - (1) **Clean all storm-water drainage systems** and remove any elements obstructing natural drainage.
 - (2) Inspect pumping stations, sewerage systems and flood gates.

- d. River and Hydraulic Structures:-
 - (1) Intensify monitoring of dams, barrages, reservoirs and flood protection embankments.
 - (2) Inspect **spillways, gates and outlet structures** before peak rainfall.
 - (3) Monitor **erosion around bridge foundations** and river training works.
 - (4) Ensure emergency repair materials are readily available.
- e. Mountain Region:-
 - (1) Continuously monitor **landslide-prone slopes** and glacier-fed valleys.
 - (2) Install **temporary protective barriers** where feasible.
 - (3) **Restrict excavation, blasting and heavy construction activities** in unstable terrain.
- f. Utility Infrastructure:-
 - (1) Inspect transmission towers, substations and power distribution systems.
 - (2) Secure **backup power supplies for hospitals, emergency operation centres** and communication facilities.
 - (3) Protect telecommunication infrastructure from flood and landslide impacts.
- g. Community Safety:_
 - (1) Restrict **public access to damaged roads, bridges and unstable slopes**.
 - (2) Disseminate public awareness messages regarding flood- and landslide-prone infrastructure.
 - (3) Prepare evacuation plans for communities located adjacent to unstable slopes, flood channels and riverbanks.
 - (4) Ensure emergency **shelters remain accessible through alternative routes**.

4. Forwarded for information/ necessary action by all concerned, please.