



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



F. No. 787/NDMA/IA&PD/2024

Islamabad the **29 May 2024**

Subject: **Monsoon Infrastructure Advisory – Pre-disaster Phase for Industries**

1. With the onset of Pakistan's **southwest monsoon season**, which runs from June to September, it is expected that **riverine flooding** may affect nearby Industrial areas. Furthermore, because of the country's changing climate, flash flooding and urban flooding could occur in Pakistan's main cities. The following map shows the **vulnerable districts that are expected to be affected** during the monsoon season:

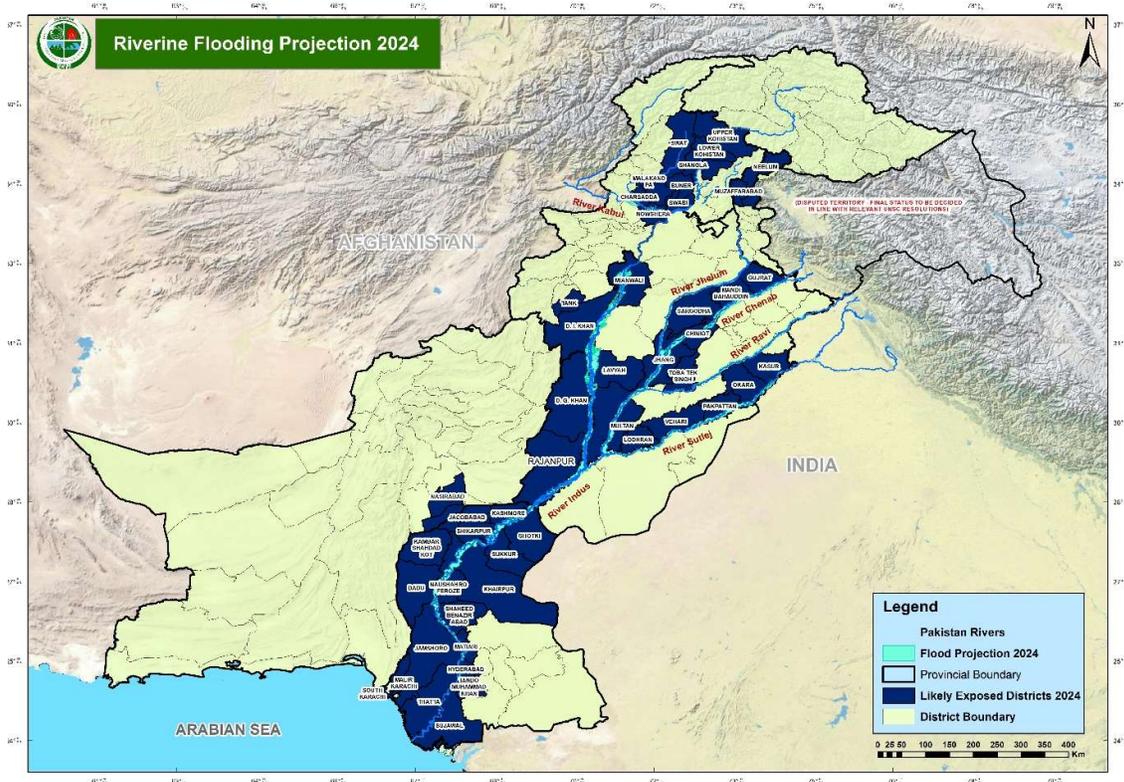


Figure 1 Expected Vulnerable districts due to riverine flooding (Source NEOC, NDMA)

2. In the light of expected situation, **the following actions are to be ensured** by all concerned Federal / Provincial Ministries to minimize the possible damage to industrial structures from the flooding:

- a. Establish **clear evacuation routes** and protocols for all employees during the flooding events.
- b. Ensure that all **drainage systems are clear of debris** and fully operational to **prevent waterlogging** which may damage the structures.
- c. **Elevate critical machinery** and electrical installations above potential flood levels, and **waterproof essential equipment** to avoid possible damages to structures.
- d. Establish **direct lines of communication** with local disaster management authorities and emergency services.
- e. Secure hazardous waste and chemicals to **prevent contamination** during floods.
- f. Prepare **medical kits** and ensure access to **clean drinking water** and sanitation facilities to **prevent waterborne diseases**.
- g. Conduct **regular training sessions** for employees on flood response procedures, including **first aid and emergency evacuation drills**.
- h. The concerned departments are instructed to follow the flood alert advisories issued from time-to-time on NDMA Website, <http://www.ndma.gov.pk/advisories> and NDMA Mobile Application.