



Pakistan Meteorological Department

Climate Change Impact and Integration Cell (CIIC)

Meteorological Headquarters

Islamabad, Pakistan

Islamabad, 27th September 2023

SUBJECT: Dengue Alert-I

Dengue fever has deepened its roots and impacted severely the health of people over the last ten years in the country. This phenomenon occurs especially during the post-monsoon season (20th September till 5th December) provided the conditions are favourable. The dengue triggers during those periods where the temperature and humidity threshold remains 26-29°C (3-5 weeks) and 60% respectively. Moreover, the rainfall remains ≥ 27 mm with a maximum time lag period of 3 weeks. The active period for dengue attacks is two hours after sunrise and two hours before sunset. The breeding stops once the temperature falls below 16°C.

2. Keeping in view the past data analysis, current and future climate outlook especially the late retreat of monsoon, the above-mentioned atmospheric variables are providing an ideal environment for a dengue outbreak. Based on the analysis, the environment has become conducive from mid of September 2023 for dengue onset and it is predicted that it may outbreak in October 2023, particularly in ten major cities of Pakistan i.e., Karachi, Lahore, Peshawar, Rawalpindi, Islamabad, Hyderabad, Faisalabad, Sialkot, Larkana and Multan as well as in post monsoon rainfall affected areas of Pakistan.

3. It is advised to all stakeholders to take pre-emptive measures for the dengue outbreak in the districts. National Health agencies and Dengue control centres are advised to keep themselves updated on the PMD website <http://www.pmd.gov.pk>

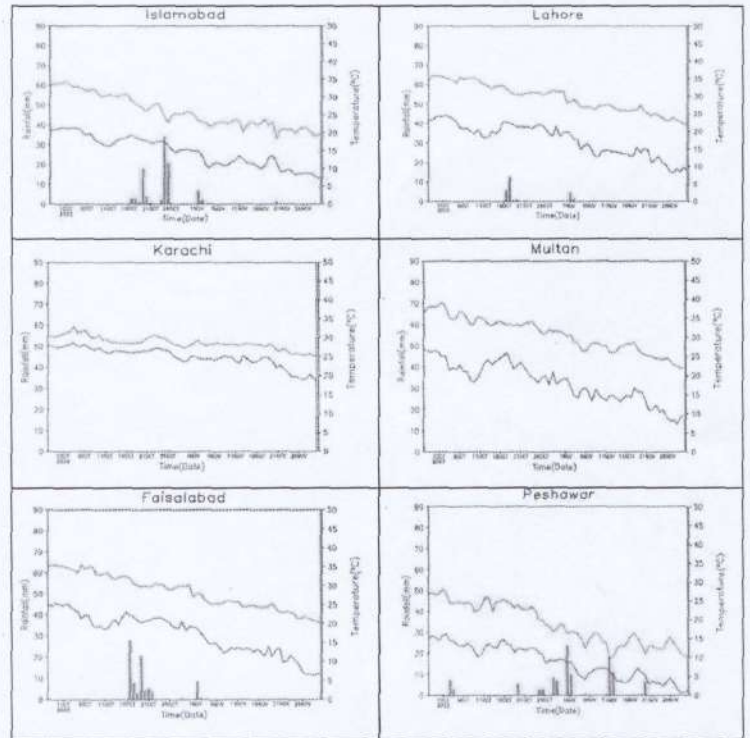
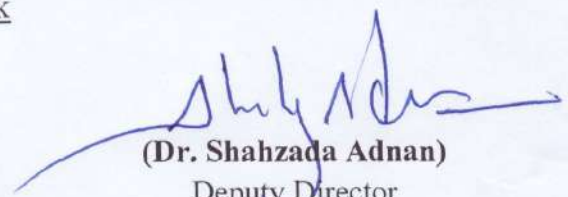


Figure 1 Precipitation and Temperature forecast of Dengue vulnerable districts during Oct-Nov 2023.


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For Director General

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