



## 7<sup>th</sup> MONSOON FORUM 17 June 2019 Lahore, Pakistan

### 1. BACKGROUND

#### 1.1 *The Monsoon Forum Process*

Pakistan Meteorological Department (PMD) regularly convenes the Monsoon Forum, a dialogue platform for generators and users of weather, climate, and hazard information. The Forum aims for effective management of resources and disaster risks through application of multi-timescale climate and hazard information in sectoral planning and decision-making processes. The Monsoon Forum process involves forecast generation by PMD, planning and implementation of forecast-based anticipatory management strategies by user sectors, forecast evaluation, feedback from users on forecast application experiences during the season, provision of recommendations for enhancing forecast generation and application, and responding to users' demands for products and services. The Forum, thus, facilitates continuous development of products and services by PMD and users' capacity building for application.

The Regional Integrated Multi-Hazard Early Warning System (RIMES) provides technical support to the Forum. Funding support to the 7<sup>th</sup> Monsoon Forum is provided by the UK Met Office as part of the programme "Asia Regional Resilience to a Changing Climate (ARRCC)", funded by the UK Department for International Development (DFID).

#### 1.2 *Seasonal Climate Context*

In Pakistan, the southwest monsoon season (June to October), contributes nearly 50% of the country's annual rainfall, on the average. Also notable during the season is the hot temperature in June and July. The season is highly relevant for various sectors, contributing much needed rainfall for agriculture, plantation, water resources, power generation, inland fisheries, among others. While primarily a resource, the southwest monsoon also poses hazards, in both rainfall fluctuation and extreme temperature, that could be detrimental to lives, livelihoods and assets.

#### 1.3 *Preparedness Focus*

The 7<sup>th</sup> Monsoon Forum facilitates the development of informed preparedness plans and decisions in key sectors, noting:

- Potential rainfall conditions in different areas of Pakistan during the 2019 southwest monsoon season
- Potential extreme daytime temperature conditions, particularly in June, in some parts of the country

## 2. OBJECTIVES

The 7<sup>th</sup> Monsoon Forum shall:

- Present the seasonal outlook for the 2019 southwest monsoon season
- Facilitate assessment of potential impacts on the sectors and identification of preparedness strategies
- Receive experience-based recommendations for enhancing end-to-end forecast generation and application system

## 3. AGENDA

<b>7<sup>th</sup> National Monsoon Forum</b> <b>17 June 2019</b> <b>Lahore, Pakistan</b>	
<b>Opening Session</b>	
9:00 – 9:35	Arrival and registration of participants
9:35 – 10:30	Opening session  Recitation of Holy Quran  Welcome Remarks <b>Mr. Muhammad Riaz</b> <i>Director General, PMD</i>  Technical Note/ Remarks by RIMES  Expert Views <b>Ex-Director General, PMD/ Ex-Vice President WMO RA-II</b>  Speech by the Guest of Honor <b>Lt. Gen. Muhammad Afzal, H.I. (M), Chairman NDMA</b>  Inaugural Address <b>Chief Guest</b>
10:30 – 11:00	Group Photo and Coffee/Tea Break
<b>Technical Session 1: 2019 Monsoon Season Outlook and Seasonal Preparedness</b> <b>Chair: Dr. Qamar-uz-Zaman Chaudhry</b>	
11:00 – 11:10	2019 monsoon season outlook and associated vulnerabilities <b>Dr. Muhammad Hanif</b> <i>Chief Meteorologist (R&amp;D), Islamabad</i>
11:10 – 11:20	Heatwave impact during 2019 monsoon season <b>Sardar Sarfraz</b> <i>Director IMG, Karachi</i>
11:20 – 11:30	NDMA response mechanism to natural hazards, focusing on monsoon-induced disasters <i>National Disaster Management Authority</i>
11:30 – 11:40	Role of PDMA in disaster management during the monsoon season <i>Provincial Disaster Management Authority, Punjab</i>
11:40 – 11:50	Climate change – increase in intensity and frequency of flash flood events in Khyber Pakthunkhwa <b>Syed Muhstaq Ali Shah</b> <i>Director, RMC, Peshawar</i>

11:50 – 12:00	Rehabilitation and modernization of barrages in Punjab <i>Irrigation Department</i>
12:00 – 12:10	Monsoon and food security <i>Agriculture Department</i>
12:10 – 12:20	Water solutions to manage risk and variability <i>IWMI, Lahore</i>
12:20 – 12:50	Asia regional resilience to changing climate (ARRCC) project- introduction through video conference <i>RIMES</i>
<b>Technical Session 2: Enhancing Sectoral Preparedness</b>	
<b>Chair: NDMA</b>	
12:50 – 13:00	PMD input for agriculture sector <b>Dr. Muhammad Afzaal</b> <i>Director, PMD</i>
13:00 – 13:10	Role of media in strengthening early warning system <b>Mr. Tauseeq Haider/ Mr. Talat Hussain</b>
13:10 – 13:30	Discussion
13:30 – 14:30	Lunch/ Prayer Break
<b>Concluding Session</b>	
<b>Chair: Mr. Muhammad Riaz, Director General, PMD</b>	
14:30 – 15:30	Working group discussion: Forecast-based preparedness/ management strategies for 2019 southwest monsoon season
15:30 – 16:00	Presentation of working group outputs
16:00 – 16:15	Coffee/Tea Break
16:15 – 16:30	Synthesis of discussions and key recommendations <b>PMD and RIMES</b>
16:30 – 16:45	Vote of thanks <b>Mr. Muhammad Riaz</b> <b>Director General, PMD</b>