



Dated: June 14, 2017

## **Outlook for Summer Monsoon (JAS) 2017**

Large uncertainties prevail in the evolution of ENSO and IOD, however, most of the models are in consensus of neutral phase of phenomena during the season. Consequent upon prevailing ocean and atmospheric conditions, summer monsoon rainfall is expected to be normal in the first half and below normal in the second half of the season, in Pakistan. Based on statistical and dynamical downscaling of global circulation models, salient features of outlook for the season (July to September) 2017 are as under;

- Area weighted rainfall during monsoon season over Pakistan is expected to fall short of long term average. However, rainfall will be highly variable over temporal and spatial scale.
- During July, monsoon rainfall may range in normal limits but less than normal rainfall is likely in August and September.
- Less frequent rains in southern half of the country may trigger drought like conditions.
- There is a high probability of localized rain spells which may generate flash flooding in mountainous and sub-mountainous regions.
- Due to erratic behaviour of summer monsoon, extreme precipitation events may occur at isolated places in the country, which can result into floods.
- Localized events of rainfall coupled with rapid melting in the glaciated regions of Gilgit-Baltistan and Chitral may trigger GLOF events.

**Note: The outlook is based upon recent data. Keeping in view the changing behaviour of different Meteorological parameters, the outlook will be updated on monthly basis i.e. at the first week of each month.**

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**Spokesperson**