



Outlook for Monsoon (JAS), 2022

Synoptic situation:

During the monsoon season (JAS 2022), weak La-Niña conditions and negative phase of IOD is expected. Based on the global and regional circulation patterns, the outlook for monsoon 2022 in Pakistan is as under:

Seasonal Outlook:

Overall, a tendency for **above normal precipitation** is likely over the country during forecast season (JAS).

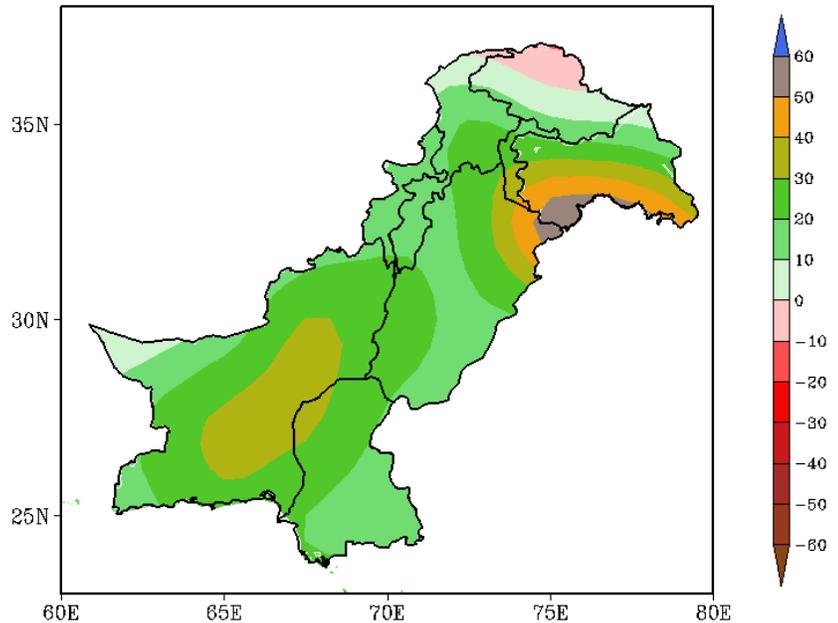
Monsoon onset is expected during the last week of June whereas pre-monsoon rains may occur from second week of June.

Monsoon rainfall is expected to be above normal over Punjab and Sindh whereas slightly above normal rainfall is expected over remaining parts of the country.

First phase (1st July to mid-August) of monsoon is expected to be wet as compared to the last phase (mid-August to end of September).

Area weighted normal rainfall of Pakistan during Jul - Sep is 140.8 mm.

Rainfall (mm) Anomaly Outlook, JAS-2022



Impacts:

- Possibility of extreme hydro-meteorological events over catchment areas cannot be ruled out, that may generate riverine floods in the major rivers.
- Heavy rainfall events may trigger flash flooding in hilly areas and urban flooding in plain areas i.e. major cities of Sindh, Punjab, AJK and KP during the season.
- Above normal temperatures in high altitudes are likely to increase rate of snowmelt in the Northern Areas subsequently increasing the chances of base flow in the Upper Indus basin.
- Sufficient water availability for irrigation and power sectors will be a good impact.

Note: The current outlook is based on the May atmospheric conditions. Keeping in view the rapid changes in climate system dynamics, the monthly outlook will be updated during the last week of each month.

For the outlook based on June atmospheric condition, please click on the link given below:
https://www.pmd.gov.pk/en/assets/monsoon-2022/JAS_2022.pdf