

Forecasters' Forum #11

Date: 28 April 2022

Discussion Notes

<p>Realized Weather (21-27 April 2022)</p>	<ul style="list-style-type: none"> ● Two shallow WDs passed over north of Afghanistan and Pakistan, and continental dry air prevailing over the rest of the regions of Afghanistan and Pakistan. ● Isolated and scattered rain/thundershowers observed over northern and central parts of Afghanistan and Pakistan with much of the areas experiencing dry weather conditions. ● Heatwave conditions are observed over some regions of Afghanistan and Pakistan from 25 April 2022 with some isolated places experiencing severe heat. ● The highest temperatures recorded during the last 24 hours over Pakistan were 44 °C at Chhor, 43 °C at Karachi and Mithi , and 42 °C at Shaheed Benazirabad, Lasbela, Rahim Yar Khan and Sibbi. ● Light to moderate rain/thundershowers observed over Nepal and Bhutan. No significant synoptic situations are observed over these regions. ● Westerly trough and south-westerly wind flows from Bay of Bengal persisting over Bangladesh. Isolated rain/thundershowers observed in some places with much of the country experiencing dry weather conditions. ● Feeble westerly trough prevailed over northern Myanmar and passing of easterly wave over southern region of the country. Under these influences isolated and scattered to fairly widespread rain/thundershowers observed over some places with central part of the country observing 1.5 inches of rain in 6 hours. ● A cyclonic circulation seen over Sri Lanka and Maldives between 21 April and 24 April at lower tropospheric levels. ● Isolated and scattered rain/ thundershowers observed over Sri Lanka with fairly widespread rain/ thundershower activities over some areas. ● Isolated and scattered thundershowers observed over Maldives with much of areas experiencing dry weather conditions.
<p>Salient synoptic features in the coming week</p>	<ul style="list-style-type: none"> ● WD expected over Afghanistan and adjoining areas of Pakistan on 30 April 2022. ● Westerly trough prevailing over Bangladesh. Also, a strong south westerly wind from Bay of Bengal to north eastern region at lower tropospheric level is expected. ● A westerly trough seen over north Myanmar and easterly wave passing over southern region of the country.

	<ul style="list-style-type: none"> ● North-South trough runs from Tamil Nadu to west of Sri Lanka at lower tropospheric levels. 	
Rainfall outlook	<ul style="list-style-type: none"> ● Isolated rain/thundershowers expected from 01 May 2022 mostly over northern regions of Afghanistan and Pakistan with dry weather conditions likely over rest of the areas. ● Isolated and scattered rain/thundershowers likely over Bhutan and Nepal with widespread activities expected from 01 May 2022. ● Isolated and scattered rain/thundershowers likely over Bangladesh with fairly widespread activities likely after 01 May 2022. ● Isolated and scattered rain/thundershowers likely over Myanmar with widespread rain/thundershowers in some areas. ● Isolated and scattered rain/thundershowers likely over Maldives and Sri Lanka. Increase in rain/thundershowers activities likely from 02 May 2022 over Sri Lanka and fairly widespread over Maldives after 02 May 2022. 	<p>Extended Range Outlook (until 10 May 2022)</p> <ul style="list-style-type: none"> ● Higher probability of rainfall (>25 mm) towards the week ending of 05 May 2022 over Nepal, Bhutan, Bangladesh, Myanmar and isolated places of Sri Lanka, Maldives, Afghanistan and Pakistan. ● Higher anomaly of rainfall expected over isolated places of Nepal, Bhutan, Myanmar, Bangladesh, South India and Sri Lanka towards the week ending of 10 May 2022.
Temperature outlook	<ul style="list-style-type: none"> ● Heatwave conditions with severe heat in few places are likely to prevail over Afghanistan and Pakistan till 03 May 2022. ● Rise in temperatures expected over some places in Myanmar till 01 May 2022. 	
Extreme weather situations	<ul style="list-style-type: none"> ● Heatwave conditions likely to prevail over the north western areas of the region till 01 May 2022. 	