

Weekly SAHF Forecasters' Forum #17

Date: 09 June 2022

Discussion Notes

<p>Realized Weather (27 May-02 June 2022)</p>	<ul style="list-style-type: none"> • Two 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 parts of Afghanistan and Pakistan with rest of the countries experiencing dry and hot weather conditions. • Heat wave conditions observed mostly in the eastern part of Pakistan with maximum temperatures ranging between 45°C to 47°C on 05 June 2022. • Light to moderate rain/thundershowers observed over Nepal and Bhutan. • Bhutan declared southwest monsoon onset on 03 June 2022. The highest rainfall recorded during the week was 104.2 mm at Sibsoo station in 24 hours. • East- west trough from east Uttar Pradesh to West Bengal and south westerly wind flow from Bay of Bengal persisting over Bangladesh. Fairly widespread rainfall observed in some places over Bangladesh. • Feeble westerly trough over north Myanmar and moderate strong south westerly winds prevailing over south Myanmar. • Isolated rain/thundershowers observed in most of the places over Myanmar with fairly widespread and isolated heavy rainfall over some isolated places. • Persistence of north-south trough extending from Tamil Nadu to west of Sri Lanka. Moderate to at time strong south westerly winds (monsoon flow) observed. • Isolated and scattered rain/thundershowers observed over Sri Lanka with some areas experiencing fairly widespread heavy rainfall. • Isolated and scattered rain/thundershowers activities observed across Maldives with flow of winds mainly from south westerly to north westerly.
<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 11 and 12 June 2022. • Persistence of strong south westerly winds from Bay of Bengal to north eastern regions at lower levels. • Persistence of strong monsoonal wind flow over Myanmar. • Persistence of north-south trough to west of Sri Lanka at lower tropospheric levels. • Moderate to strong south westerly winds prevailing over Sri Lanka and Maldives. • Moderate to strong cross equatorial wind flow likely during this week. • Persistence of shear zone across south peninsular India over 700mb.

Rainfall outlook	<ul style="list-style-type: none"> • Hot and dry weather conditions over most parts of Afghanistan and Pakistan, while rest of the region likely to experience scattered to fairly widespread rains/thundershowers over the next week. • Bhutan and Nepal likely to experience scattered rain/thundershowers over the next week with increase in rainfall activity after 12 June 2022. • Bangladesh and Maldives likely to experience gradual increase in rainfall over the next week. • While most places in Myanmar and Sri Lanka are likely to experience isolated and scattered rain/thundershowers over the next week, widespread and heavy rainfall is expected over isolated places in these countries. 	Extended Range Outlook (until 22 June 2022) <ul style="list-style-type: none"> • Increase in amount rainfall likely over Bhutan, Bangladesh, Myanmar and some parts of Sri Lanka and Nepal towards the week ending of 15 June 2022. • Further increase amount of rainfall activities likely over Bhutan, Bangladesh, Nepal and norther east India towards the week ending of 22 June 2022.
Temperature outlook	<ul style="list-style-type: none"> • Heatwave conditions likely over isolated places in Afghanistan, India and Pakistan. 	
Monsoon updates	<ul style="list-style-type: none"> • Southwest monsoon is currently active and vigorous over Myanmar and moderate over Sri Lanka and Maldives. • Bhutan, India, Maldives, Myanmar, Nepal and Sri Lanka have declared the onset of southwest monsoon. • Monsoon progression is more active in the Bay of Bengal side than in the Arabian sea side. • Multi-model probability forecast for June-August 2022 issued in May 2022 from IRI indicates above normal rainfall in most parts of South Asia during next three months except for Myanmar, Sri Lanka, East and NE India, southwest peninsular India. 	