

SAHF Forecasters' Forum #16

Date: 02 June 2022

Discussion Notes

<p>Realized Weather (27 May-02 June 2022)</p>	<ul style="list-style-type: none"> • Three 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 areas experiencing dry weather conditions. • Light to moderate rain/thundershowers observed over Nepal and Bhutan. • East- west trough from east Uttar Pradesh to West Bengal and southwesterly 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 southwesterly winds prevailing over south of the country. • Isolated rain/thundershowers observed in most of the place 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. Some places observed rainfall as high as 192 mm in 24 hours causing landslides and increasing river levels to minor flood levels. • Isolated and scattered rain/thundershowers activities observed across Maldives with flow of winds mainly from southwesterly to northwesterly. • Southwest monsoon is currently active over Myanmar and Sri Lanka and moderate over Maldives. • 7-day total rainfall anomaly showed mostly dry across much of south Asia towards the week ending of 30 May 2022.
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<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 04 and 06 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. 	
<p>Rainfall outlook</p>	<ul style="list-style-type: none"> • 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 towards week end. • 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. 	<p>Extended Range Outlook (until 15 June 2022)</p> <ul style="list-style-type: none"> • Higher probability of rainfall (>25mm) likely over Bhutan, Bangladesh, Myanmar and some places in Sri Lanka and Nepal towards the week ending of 08 June 2022. • Higher probability of rainfall (>25mm) likely to continue over Bhutan, Bangladesh, Myanmar, Nepal and some places in Sri Lanka towards the week ending of 15 June 2022.
<p>Temperature outlook</p>	<ul style="list-style-type: none"> • Heatwave conditions likely over isolated places in Afghanistan and Pakistan after 04 June 2022. 	
<p>Extreme weather situations</p>	<ul style="list-style-type: none"> • Heat wave conditions likely across some places in Afghanistan and Pakistan during the next week. 	