

## Weekly SAHF Forecasters' Forum #19

Date: 23 June 2022

### Discussion Notes

<p><b>Realized Weather (17-23 June 2022)</b></p>	<ul style="list-style-type: none"> <li>• Under the influence of Western Disturbances (WDs), isolated and scattered rain/thundershowers observed over northern parts of Afghanistan and Pakistan causing drop in maximum temperatures across most of the places in these countries.</li> <li>• Due to the persistence of east west trough from Uttar Pradesh to northeastern parts of peninsular India, Bhutan and Nepal received light to moderate rain over most of the places. Bhutan experienced heavy to very rainfall during 16 June and 18 June over some places in the southern and eastern parts of country causing several flash floods and landslides damaging infrastructures and resulted in casualties.</li> <li>• Under the influence of east west trough from Uttar Pradesh to West Bengal and south westerly wind flow from the Bay of Bengal, Bangladesh experienced isolated to scattered rain/thundershowers with fairly widespread rainfall over some areas.</li> <li>• Under the influence of moderate to strong south westerly winds over Myanmar, the country experienced scattered rain/thundershowers over most places with isolated heavy rainfall in its western parts.</li> <li>• Persistence of north-south trough extending from Tamil Nadu to west of Sri Lanka. Moderate to at times strong south westerly winds (monsoon flow) observed. Under these influences, isolated and scattered rain/thundershowers observed over Sri Lanka with some areas experiencing fairly widespread heavy rainfall.</li> <li>• Currently monsoon is moderate over Maldives and the country experienced isolated and scattered rain/thundershowers during the week with most of the places experiencing calm weather.</li> </ul>
<p><b>Salient synoptic features in the coming week</b></p>	<ul style="list-style-type: none"> <li>• WD expected over Afghanistan and adjoining areas of Pakistan on 24 June 2022.</li> <li>• Persistence of strong south westerly winds from Bay of Bengal to north-eastern regions at lower levels.</li> <li>• Persistence of strong monsoonal wind flow over Myanmar.</li> <li>• Moderate to strong south westerly winds prevailing over Sri Lanka and Maldives.</li> <li>• Moderate to strong cross equatorial wind flow likely during this week.</li> <li>• Persistence of shear zone across south peninsular India over 700mb.</li> </ul>

<p><b>Rainfall outlook</b></p>	<ul style="list-style-type: none"> <li>• Isolated and scattered rain/thundershowers likely mostly over the northern parts of Afghanistan and Pakistan with most places likely to experience hot and dry weather.</li> <li>• Bhutan and Nepal likely to experience scattered rain/thundershowers over the next week with likely increase in rainfall activity thereafter.</li> <li>• Bangladesh and Maldives likely to experience gradual increase in rainfall over the next week.</li> <li>• 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 some isolated places in these countries.</li> </ul>	<p><b>Extended Range Outlook (until 06 July 2022)</b></p> <ul style="list-style-type: none"> <li>• Probability of rainfall (&gt;25mm) likely over Bhutan, Nepal, Bangladesh, Myanmar and some parts of India, Maldives and Sri Lanka towards the week ending of 29 June 2022.</li> <li>• Probability of rainfall (&gt;25mm) likely to continue over Bhutan, Bangladesh, Myanmar, Nepal and extend to most parts of India and isolated places over Sri Lanka and Maldives towards the week ending of 06 July 2022.</li> </ul>
<p><b>Temperature outlook</b></p>	<ul style="list-style-type: none"> <li>• While temperatures across much of the region likely to decrease over the next week, parts of Afghanistan and Pakistan likely to experience increase in temperature.</li> </ul>	
<p><b>Monsoon watch</b></p>	<ul style="list-style-type: none"> <li>• Persistence of moderate to strong cross equatorial flow over Arabian Sea and moderate south westerly flow over Bay of Bengal.</li> <li>• Winds over Arabian Sea likely to increase up to 55 knots at 1.5 km.</li> <li>• Persistence of active and vigorous monsoon across some isolated places over Myanmar; active over Bangladesh, Nepal and Bhutan; and moderate over Sri Lanka and Maldives.</li> </ul>	