

Weekly SAHF Forecasters' Forum #20

Date: 30 June 2022

Discussion Notes

<p>Realized Weather (24-30 June 2022)</p>	<ul style="list-style-type: none"> • While two westerly waves passed over the northern parts of Afghanistan and Pakistan, much of the areas in these countries experienced mostly hot and dry weather conditions during the past week. Many areas in Pakistan experienced increase in maximum temperatures (above 40°C) during the same period. • Under the influence of east west trough from Rajasthan to Bay of Bengal, Bhutan and Nepal received light to moderate rain over most of the places. During the same period isolated places in the southern parts of these countries experienced heavy to very heavy rainfall. • Due to persistence of strong south westerly wind flow from Bay of Bengal, Bangladesh experienced fairly widespread rainfall over some areas. • 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 some areas. • Persistence of north-south trough extending from Tamil Nadu to west of Sri Lanka. Also, moderate south westerly and north westerly winds persisting over Sri Lanka and Maldives. Under these influences, isolated and scattered rain/thundershowers observed over Sri Lanka and most parts of Maldives. During the same period the Kaadedhdhoo in Maldives experienced heavy rainfall of more than 95 mm in 2 hours.
<p>Salient synoptic features in the coming week</p>	<ul style="list-style-type: none"> • Westerly wave expected over Afghanistan on 02 July 2022. • Monsoon currents approaching to north and central parts of Pakistan. Moist winds from Arabian sea penetrating to central and adjoining areas. • 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. • Moderate to strong south westerly winds prevailing over Sri Lanka and Maldives. • Moderate to strong cross equatorial wind flow likely during this week. • Strong westerly winds (low level jet) likely over Arabian Sea.

Rainfall outlook	<ul style="list-style-type: none"> • Isolated and scattered rain/thundershowers likely mostly over the northern and central parts of Afghanistan and Pakistan with high probability of intensification and extending to south from 03 July 2022. Rest of the places likely to experience hot and dry weather. • Bangladesh, Bhutan, Nepal and Myanmar likely to experience scattered rain/thundershowers with some places likely to receive widespread and heavy rainfall over the next week. • While Sri Lanka is likely to experience isolated and scattered rain/thundershowers, Maldives is likely to experience gradual increase in rainfall over the next week under the influence of moderate to strong westerly wind flows over these countries. 	Extended Range Outlook (until 13 July 2022) <ul style="list-style-type: none"> • Probability of rainfall (>25mm) likely over Bhutan, Nepal, Bangladesh, Myanmar, Maldives and parts of India, and Sri Lanka towards the week ending of 06 July 2022. • Probability of rainfall (>25mm) likely to continue over Bhutan, Bangladesh, Myanmar, Nepal Maldives and some isolated pockets of India and Sri Lanka, and it is likely to extend to some parts of Pakistan towards the week ending of 13 July 2022.
Temperature outlook	<ul style="list-style-type: none"> • While temperatures across much of the region likely to decrease over the next week, parts of Afghanistan and Pakistan likely to experience increase in maximum temperatures. 	
Monsoon watch	<ul style="list-style-type: none"> • Currently monsoon is active over Bangladesh, Bhutan, Myanmar, Nepal and is moderate over Maldives and Sri Lanka. • Persistence of moderate to strong cross equatorial flow over Arabian sea and moderate over Bay of Bengal with increase of wind speed over Arabian sea and offshore trough over west coast of India. 	