

Weekly SAHF Forecasters' Forum (FF) #72

Date: 29 June 2023

Discussion Notes

<p>Realized Weather (23-29 June 23)</p>	<ul style="list-style-type: none"> ▪ Pakistan experienced isolated and scattered rain/thundershowers with heavy rain over some places. ▪ While most parts of Bhutan and Nepal experienced isolated and scattered rain/thundershowers, southern parts of the countries experienced intermittent heavy rain under the influence of monsoon currents. ▪ Bangladesh experienced isolated and widespread rain/thundershowers with isolated heavy rain over some places. ▪ Myanmar and Sri Lanka mainly experienced isolated and widespread rain/thundershowers with intermittent heavy rain/thundershowers. ▪ Maldives experienced isolated and scattered rain/thundershowers. ▪ East-west monsoon trough seen over Rajasthan to the northeast Bay of Bengal. ▪ A low pressure formed over Orissa and adjoining West Bengal during 23-24 June 2023 and moved west-northwesterly direction over Chhattisgarh on 27 June 2023 and adjoining areas as a well-marked low pressure over northeast Madhya Pradesh and adjoining areas on 28 June 2023, and as a low pressure over north Madhya Pradesh on 29 June 2023. The associated cyclonic circulation with the system extended up to the upper tropospheric level.
<p>Salient synoptic features in the coming week (30 June- 06 July 23)</p>	<ul style="list-style-type: none"> ▪ Westerly waves are likely to affect central and northern parts of Pakistan during the week. ▪ A westerly trough is likely to continue over Bhutan and Nepal regions. Also, monsoon easterlies are seen over northeast India and Bhutan regions at lower levels. ▪ A moderate monsoonal flow is likely over Bangladesh with the persistence of a monsoon trough in the region. ▪ A shallow westerly trough is likely to pass over northern Myanmar with moderate to strong cross-equatorial flow likely over the country from 02 July 2023. ▪ North-south trough from Tamil Nadu to the west of Sri Lanka and Maldives is likely to persist. Also, the persistence of moderate to strong cross-equatorial flow over the region. <p>Monsoon Features:</p> <ul style="list-style-type: none"> ▪ A cyclonic circulation is likely to form at 3.1-5.6 km from 02 July over the central Bay of Bengal and adjoining areas. ▪ A cyclonic circulation is likely to form over the northwest and adjoining west central area of the Bay of Bengal around 04 July 2023. ▪ An offshore trough is likely from Gujarat and Maharashtra coasts to Kerala coasts. ▪ Strengthening of the cross-equatorial flow is likely over the Arabian Sea and the Bay of Bengal. ▪ The persistence of Somali jets is likely to continue.

<p>Rainfall outlook (30 June- 06 July 23)</p>	<p>Under the influence of the above synoptic situations, countries are likely to experience the following weather conditions.</p> <ul style="list-style-type: none"> ▪ Isolated and scattered rain/thundershowers likely over central and northern regions of Pakistan with possibility of increase rain activity over country during the week of 05 July 2023. ▪ Isolated rain/thundershowers are likely over Bhutan and Nepal with the possibility of moderate to heavy rain/thundershowers over some places. Also, isolated and scattered rain/thundershowers with widespread and intermittent heavy rain likely over Bangladesh. ▪ Scattered to widespread rain/thundershowers are likely over Myanmar with possibility of increase rain/thundershowers after 03 July 2023. ▪ Isolated and scattered rain/thundershowers are likely over the Maldives and Sri Lanka with the possibility of isolated heavy rain over some places. 	<p>Extended Range Outlook (until 12 July 2023)</p> <ul style="list-style-type: none"> ▪ Under the influence of active monsoon currents over the region, higher probability of rain (>25mm) is likely over Bhutan, Nepal, Bangladesh, Myanmar, Maldives, eastern and western parts of India and isolated places over Sri Lanka towards the week ending of 12 July 2023.
<p>Temperature outlook (30 June- 06 July 23)</p>	<ul style="list-style-type: none"> ▪ No significant anomalies. 	<p>Ocean Watch <i>Ocean Surface Forecast briefing during the past week (23-29 June 23)</i></p> <ul style="list-style-type: none"> ▪ No significant events observed during the week. <p>Forecast for the coming week (29 June-06 July 23)</p> <ul style="list-style-type: none"> ▪ No significant events in forecasts.