Weekly SAHF Forecasters' Forum(FF) #64

Date: 04 May 2023

Discussion Notes

Realized Weather (28 Apr.-04 May 23)	▪ Under the influence of an active westerly trough, northern and central parts of Pakistan received a good amount of rainfall with stations in these regions recording weekly accumulated rainfall ranging between 45-111 mm. Also, the rest of the country received isolated to scattered rain/thundershowers during the same period. ▪ Under the influence of a westerly trough over the Himalayas, Bhutan and Nepal experienced isolated rain/snow in their northern regions and rain/thundershowers across most parts of the countries. Also, isolated to scattered rain/thundershowers were observed over much of Bangladesh during the same period. ▪ While northern and central parts of Myanmar experienced scattered to widespread rain/ thundershowers, Sri Lanka experienced scattered to widespread rain/thundershowers with intermittent heavy thundershowers during the week. ▪ Maldives experienced scattered to widespread rain/thundershowers with intermittent heavy thundershowers across much of the country during the week. The southern and central regions of the country fulfilled the monsoon onset criteria (rainfall: 60% of AWS recording 2.5 mm or more, and wind: 10 knots or more for 2 consecutive days or more) and accordingly **Maldives declared the onset of Southwest Monsoon 2023 over southern and central regions on 03 May 2023.**	
Salient synoptic features in the coming week (05-11 May 23)	▪ Westerly waves are likely to continue over northern parts of Pakistan with fresh westerly waves likely to approach the country during the week of 08 May 2023 ▪ A western disturbance is likely to continue over Bhutan and Nepal regions. ▪ Troughs from Sub-Himalayan West Bengal to Bangladesh are likely to persist until 07 May 2023. ▪ Western disturbance is likely to pass over northern Myanmar as a system. ▪ A cyclonic circulation /low-pressure area is likely to develop over the southeast Bay of Bengal during 06-07 May 2023 and it is likely to intensify further. NMHSs along the Bay of Bengal coast should keep watch on the system. **RIMES will endeavour to organize special FF session upon formation of low-pressure area and subsequent cyclone related multi-model forecasts at 1630h ECT on 08 May 2023.**	
Rainfall outlook (05-11 May 23)	▪ Isolated and scattered rain/thundershowers with intermittent heavy showers are likely over northern Pakistan until 08 May 2023 and thereafter dry conditions are likely to prevail. ▪ Isolated rain/snow/thundershowers are likely over Bhutan and Nepal. Also, isolated and scattered rain/thundershowers are likely over Bangladesh until 08 May 2023 with the possibility of dry weather conditions	**Extended Range Outlook (until 17 May 2023)** ▪ Higher probability of rain (>25mm) likely over northern Pakistan, Nepal Bhutan, northeast India, Bangladesh, Myanmar and isolated places over Sri Lanka and Maldives towards the week ending of 17 May 2023.

	thereafter. ▪ Isolated to scattered rain/thundershowers likely over northern and southern Myanmar with the possibility of increased rain/thundershowers activities over central and southern parts of the country after 08 May 2023. ▪ Isolated to scattered rain/thundershowers are likely over the Maldives and Sri Lanka with intermittent isolated heavy thunderstorms over some places.	
Temperature outlook (05-11 May 23)	▪ Day temperatures are likely to increase over the region with some places expected to experience significantly high temperatures.	**Ocean Watch** ***Ocean Surface Forecast briefing during the past week* (28 Apr.-04 May 23)** ▪ No significant events were observed. **Forecast for the coming week (05-11 May 23)** ▪ High waves are likely over the coastal areas along the Bay of Bengal (Bangladesh and India) under the influence of cyclonic circulation/low pressure area formation in the southeast Bay of Bengal.