

## Weekly SAHF Forecasters' Forum (FF) #65

Date: 11 May 2023

### Discussion Notes

<p><b>Realized Weather (05-11 May 23)</b></p>	<ul style="list-style-type: none"> <li>▪ Under the influence of an active westerly trough, northern and central parts of Pakistan received a good amount of rainfall with rest of the country experiencing dry weather conditions.</li> <li>▪ 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 some places in Bangladesh with much of the country experiencing dry weather conditions.</li> <li>▪ While Myanmar experienced scattered to widespread rain/ thundershowers with some stations in the south and central recording 51 mm rain in 24 hours, Sri Lanka experienced scattered to widespread rain/thundershowers with intermittent heavy thundershowers during the week.</li> <li>▪ Maldives is currently experiencing active southwest monsoon with stations in the south and central parts of the atolls recording more 100 mm rain in 24 hours with wind speed of 54 mph during the week.</li> <li>▪ A low pressure formed over southeast Bay of Bengal and adjoining Andaman Sea on 08 May 2023, intensified to well-marked low pressure system on 09 May 2023 and further intensified to deep depression over the same region on 10 May 2023 and further into cyclonic storm called <b>“Mocha”</b>. The cyclonic storm has moved north-north westerly direction.</li> </ul>
<p><b>Salient synoptic features in the coming week (12-18 May 23)</b></p>	<ul style="list-style-type: none"> <li>▪ Westerly waves are likely over northern parts of Pakistan during the week of 12 May 2023.</li> <li>▪ A feeble western disturbance is likely to continue over Bhutan and Nepal regions.</li> <li>▪ Moderate to strong south-westerly to westerly cross equatorial wind flow likely over Sri Lanka and Maldives regions.</li> <li>▪ While Bangladesh is likely to experience change into southerly wind patterns under the influence of approaching cyclonic storm from the Bay of Bengal, moderate to strong winds including squally weather is likely over Myanmar from 13 May 2023 with onshore wind flow on to the Ayeyerawady Delta well before the landfall of Mocha cyclone.</li> </ul> <p><b><u>CYCLONIC STORM “MOCHA” watch</u></b></p> <p>The cyclonic storm ‘Mocha ‘over southeast Bay of Bengal moved northwards and intensified into a severe cyclonic storm and lay centred over the same region. It is very likely to move nearly northwards during next 12 hours and intensify into a very severe cyclonic storm around 0000 UTC of 12 May 2023 morning over central Bay of Bengal. Thereafter, it is likely to recurve gradually and move north-northeast direction with further intensification. It is likely to cross southeast Bangladesh and north Myanmar coasts on 14 May 2023 as a very severe cyclonic storm. Development of cooler coastal waters off the Myanmar coast also</p>

	<p>potentially contribute to the change in landfall intensity. Countries are advised to keep a constant watch and follow updates on 24X7 basis.</p>	
<p><b>Rainfall outlook (11-18 May 23)</b></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"> <li>▪ With isolated and scattered rain/thundershowers over some places, much of Pakistan is likely to experience hot and dry weather conditions.</li> <li>▪ Isolated rain/snow/thundershowers are likely over Bhutan and Nepal. Also, Bhutan is likely to experience increase in rain events from 16 May 2023.</li> <li>▪ Isolated to scattered rain/thundershowers likely over Bangladesh with scattered and widespread rain/thundershowers with isolated heavy rain over the southeast parts of the country from 15 May 2023.</li> <li>▪ Myanmar is likely to experience scattered to widespread rain/thundershowers with heavy to extremely heavy rains over the southern delta and southeast parts during 11-12 May 2023 and squally weather from 13 May 2023.</li> <li>▪ Widespread rain/thundershowers with intermittent isolated heavy rain/thundershowers are likely over the south Maldives and Sri Lanka.</li> </ul>	<p><b>Extended Range Outlook (until 24 May 2023)</b></p> <ul style="list-style-type: none"> <li>▪ Higher probability of rain (&gt;25mm) likely over Bhutan, Bangladesh, Myanmar, Sri Lanka and Maldives towards the week ending of 24 May 2023.</li> </ul>
<p><b>Temperature outlook (12-18 May 23)</b></p>	<ul style="list-style-type: none"> <li>▪ Day temperatures are likely to increase over the region with some places expected to experience significantly high temperatures.</li> </ul>	<p><b>Ocean Watch</b> <i><b>Ocean Surface Forecast briefing during the past week (05-11 May 23)</b></i></p> <ul style="list-style-type: none"> <li>▪ No significant events were observed.</li> </ul> <p><b>Forecast for the coming week (12-18 May 23)</b></p> <ul style="list-style-type: none"> <li>▪ High waves are likely over the coastal areas of Bangladesh and Myanmar under influence of approaching cyclonic storm.</li> </ul>