

## Weekly SAHF Forecasters' Forum #36

Date: 20 October 2022

### Discussion Notes

<p><b>Realized Weather (14-20 Oct. 22)</b></p>	<ul style="list-style-type: none"> <li>• Under the influence of westerly waves northern parts of Afghanistan and Pakistan observed isolated rain/thundershowers with rest of areas experiencing dry weather and decreasing temperatures. During the last week's FF session (#35) the outlook was that "Mostly dry weather with likely occurrence of isolated and scattered rain/thundershowers over Pakistan and Afghanistan". PMD reported rainfall over most areas in Northern Pakistan with realized rainfall during 14-19 Oct for Lower Dir 79mm, Pattan &amp; Garhi Dupatta 24mm each, Kakul 18mm and Kotli 16mm. In ensuing discussions, it was clarified that NWP products were able to capture these rains only in their 24 hr. forecasts and not at longer lead times. In future FF discussions need to focus on such issues where there is need to improve the collective regional understanding to improve capacities of the operational forecasters in the region.</li> <li>• Bhutan and Nepal observed mostly dry weather with isolated to scattered rain in the isolated pockets of the countries. During the same week much of Bangladesh experienced isolated rain/thundershowers.</li> <li>• Under the influence of cyclonic circulation central and southern parts of Myanmar experienced scattered to fairly widespread rain/thundershowers with some places observing isolated heavy rainfall.</li> <li>• During the week parts of Sri Lanka and Maldives experienced scattered and isolated rain/thundershowers with rest of the countries experiencing fair weather.</li> </ul>	
<p><b>Salient synoptic features in the coming week (21-27 Oct. 22)</b></p>	<ul style="list-style-type: none"> <li>• Cyclonic circulation formed over northern Andaman Sea and central Bay of Bengal, and adjoining areas has intensified to Low Pressure system, and it is likely to move west-northwest ward and intensify further into Depression /Cyclonic Storm. It is likely to recurve between 23-24 October 2022 to north and north easterly direction.</li> <li>• Westerly waves are likely to pass over northern parts of Afghanistan and Pakistan, and Nepal and Bhutan as well, over the week.</li> <li>• Moderate south easterly and easterly winds from Bay of Bengal over Bangladesh and adjoining areas likely to continue at lower levels.</li> <li>• Moderate easterly and south easterly winds likely over the central and southern parts of Myanmar.</li> <li>• Moderate monsoonal winds likely to continue over Sri Lanka and Maldives over the week.</li> </ul>	
<p><b>Rainfall outlook (21– 27 Oct 22)</b></p>	<ul style="list-style-type: none"> <li>• Mostly dry weather with likely occurrence of isolated and scattered rain/thundershowers over Afghanistan, Bhutan, Nepal and Pakistan.</li> <li>• Under the influence of cyclonic circulation over north Adaman Sea and Central Bay</li> </ul>	<p><b>Extended Range Outlook (until 02 November 2022)</b></p> <ul style="list-style-type: none"> <li>• Probability of rainfall (&gt;25mm) likely over Maldives, Sri Lanka, Peninsular India and isolated pockets of Myanmar towards the week ending of 26 October 2022.</li> </ul>

	<p>of Bengal, Bangladesh likely is to experience gradual increase in rainfall after 23 October 2022.</p> <ul style="list-style-type: none"> <li>• Scattered to fairly widespread rain/thundershowers is likely over some places in Myanmar.</li> <li>• Isolated to scattered rain/thundershower is likely over much of Sri Lanka with possibility of heavy rainfall in isolated places.</li> <li>• Gradual increase in rainfall expected after 22 October 2022 over Maldives.</li> </ul>	<ul style="list-style-type: none"> <li>• Probability of rainfall (&gt;25mm) likely over isolated places in Maldives and Sri Lanka towards the week ending of 02 November 2022.</li> </ul>
<p><b>Temperature outlook (21– 27 Oct. 22)</b></p>	<ul style="list-style-type: none"> <li>• No significant anomalies.</li> </ul>	<p><b>Ocean Watch</b>  <b><i>Ocean Surface Forecast briefing during past week (14-20 Oct. 22)</i></b></p> <ul style="list-style-type: none"> <li>• No high wave warnings/alerts issued.</li> </ul> <p><b>Forecast for coming week (21-27 Oct. 22)</b></p> <ul style="list-style-type: none"> <li>• Wind speeds in the Bay of Bengal is likely to be higher (18-19 m/s) over the week compared to other regions.</li> <li>• Similarly, significant wave height (5 m) and swell wave period (17-18 m/s) likely to be higher in the Bay of Bengal than other regions over the week.</li> <li>• The sea surface temperature (31°C) and tropical cyclone heat potential (160 KJ/cm<sup>2</sup>) are also likely to be higher in the Bay of Bengal over the week.</li> </ul>
<p><b>Monsoon watch</b></p>	<ul style="list-style-type: none"> <li>• Monsoon currents still active/moderate over Sri Lanka and Maldives, and weak over Bangladesh.</li> </ul>	