

## Weekly SAHF Forecasters' Forum (FF)#160

Date: 13<sup>th</sup> March 2025

### Discussion Notes

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| <b>Realized Weather-Country Reports (7<sup>th</sup> - 13<sup>th</sup> Mar. 25)</b>                               | <ul style="list-style-type: none"> <li>▪ Bangladesh experienced light rainfall with rising day and night temperature.</li> <li>▪ Nepal experienced moderate snowfall over the western and high hilly region along with snowfall moderate to heavy rainfall occurred in the western regions. Also, maximum temperature was observed in a rising trend. Overall, below normal rainfall condition persisted over the week.</li> <li>▪ Maldives experienced isolate scattered shower with a few heavy showers over the northern and central regions of the country.</li> <li>▪ Much of Sri Lanka experienced dry weather in the 1<sup>st</sup> half of the week and from the 2<sup>nd</sup> half Sri Lanka received widespread thundershowers over the eastern part of the country.</li> </ul>   |
| <b>Significant Weather Features in the region for the coming week (14<sup>th</sup> -20<sup>th</sup> Mar. 25)</b> | <ul style="list-style-type: none"> <li>▪ Anti-cyclonic trough has formed over the Northern regions of South Asia specifically, Hindu Kush Himalayan regions which may lead to the mid-latitude westerly trough a little bit slower and likely to give rainfall with thunderstorm and snowfall over Nepal, Bhutan, North Eastern regions of India and Northern part of Myanmar. Temperature may rise over the peninsula regions, and most part of the South Asia.</li> <li>▪ On the other hand, intense mesoscale convective systems may form over equatorial regions around the Maldives and Sri Lanka, Southern Peninsula India, and due to this these equatorial regions may receive widespread thundershowers and heavy rainfall.</li> <li>▪ IOD is currently is positive while MJO is also going to be active and supportive over Indian Ocean. However, positive rainfall anomalies can be seen over the western Indian ocean.</li> </ul>   |
| <b>Weather Outlook (14<sup>th</sup> – 20<sup>th</sup> Mar. 25)</b>   | <ul style="list-style-type: none"> <li>▪ Much of Bhutan is likely to experience mostly to partly cloudy with isolated light to moderate thundershowers over the southern regions and snowfall over high altitudes and mountainous regions.</li> <li>▪ While Nepal may experience light to moderate thundershowers and snowfall in few places of mountainous and high-altitude regions. Moreover, maximum and minimum temperatures are expected to be above normal in the coming week.</li> <li>▪ Maldives is likely to experience mostly fine weather in the 1<sup>st</sup> half and from the 2<sup>nd</sup> half scattered showers with thunderstorm is expected over the southern part of the country in the first half of the week.</li> <li>▪ Much of Myanmar may experience isolated light to scattered rainfall with thunderstorms over the Northern, and Central regions. Day temperature may rise and night temperature may decrease over the country.</li> <li>▪ Whereas Sri Lanka is likely to experience, isolated light to moderate thundershowers is likely to experience over southern half of the country.</li> <li>▪ While Pakistan may receive light to moderate rainfall over the high latitudes of Khyber Pakhtunkhwa regions of the country due to the westerly wind.</li> <li>▪ Much of Bangladesh is likely to experience mild heatwave. Along with temperatures, isolated light to moderate thunderstorms may experience all over the country.</li> </ul> |

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| <p><b>Extended Range Outlook (13<sup>th</sup> Mar. - 13<sup>th</sup> Apr. 2025)</b></p> | <p>Extended Temperature outlook</p> <ul style="list-style-type: none"> <li>Most of southern part of the India, coastal regions Indian sub-continent even Bangladesh, Myanmar and Thailand are expected to above normal heating in the continuously from week 2 and onwards. whereas Nepal, Bhutan South China and Tibetan Plateau are expected to experience normal maximum temperature on next four weeks.</li> </ul>  | <p>Extended Rainfall Outlook</p> <ul style="list-style-type: none"> <li>Rainfall band is mostly going to dominate equatorial Sri Lanka whereas Northwestern Himalayan regions and north-western Indian regions are expected to receive rainfall due to the western disturbances. The equatorial regions are expected to receive normal rainfall in week 1, 3 and 4 whereas in week 2 is going to be dry.</li> </ul> |
| <p><b>Ocean Watch</b></p>   | <p><b>Observed Ocean Surface Conditions (6<sup>th</sup> – 13<sup>th</sup> Mar. 25)</b></p> <ul style="list-style-type: none"> <li>A significant swell height up to 20 seconds has been observed over India and swell alert has been issued for Andaman and Nicobar Islands. Maximum significant wave observed up to 2.4 meters and maximum coastal current was up to 1.1 at one or two locations.</li> </ul> <p><b>Forecast for the coming week (14<sup>th</sup> - 20<sup>th</sup> Mar. 25)</b></p> <ul style="list-style-type: none"> <li>A normal swell height is expected in the Bay of Bengal specifically in the coastal regions of Myanmar, Bangladesh, India, and Sri Lanka. Wave heights are expecting around 2 meters per second in some coastal regions. Also, sea surface temperature is expected to be 29.2-31.5 degree centigrade in most part of the northern Bay of Bengal.</li> </ul> |   |