

## Weekly SAHF Forecasters' Forum (FF)#153

Date: 23<sup>rd</sup> January 2025

### Discussion Notes

<p><b>Realized Weather-Country Reports (16<sup>th</sup> - 23<sup>rd</sup> Jan. 25)</b></p>	<ul style="list-style-type: none"> <li>▪ Bhutan experienced partly cloudy weather and no significant snowfall and rainfall over the country. At the southern region highest temperature observed whereas lowest minimum temperature experienced over northwestern regions.</li> <li>▪ While Nepal experienced partly cloudy to generally cloudy weather during the beginning of the last week and received light rainfall and snowfall over many regions of the western hilly part of the country. Moreover, maximum and minimum temperature was observed above normal over the country.</li> <li>▪ While Bangladesh experienced no significant cold wave but moderate to dense fog over the country northern and northwestern part of the country during late night and early morning.</li> <li>▪ Myanmar experienced cloudy weather with heavy rainfall over the northern and southern regions of the country along with decreasing temperature.</li> <li>▪ Maldives experienced scattered heavy rainfall with gusty wind due a cyclonic circulation mainly over central and southern regions.</li> <li>▪ Much of Sri Lanka basically northcentral and northeastern regions of the country received heavy rainfall. Likewise, mostly the Eastern and northern parts received much of the rainfall due to the active monsoon conditions and the circulation.</li> <li>▪ While Pakistan observed light to moderate rainfall and good amount of snowfall was observed over the northwestern part of the country. Also, dense foggy condition persisted over northeastern Panjab and Lahore regions.</li> </ul>
<p><b>Significant Weather Features in the region for the coming week (24<sup>th</sup> – 30<sup>th</sup> Jan. 25)</b></p>	<ul style="list-style-type: none"> <li>▪ An active northeast monsoon may persist and the mid-latitude westerly trough may influence rainfall, snowfall and fog over the hill states of Northwestern regions of Pakistan, Northwest and Central part of India, Nepal, Bhutan and Bangladesh in the coming week. Temperature may fall over the peninsula regions.</li> <li>▪ A southeastern circulation persists over the South Bay of Bengal which may cause moderate intensity rainfall over southern part of India, Sri Lanka and Maldives.</li> <li>▪ Due to active easterly wave dense fog may reduce visibility over the regions. Air pollution may persist over Northwestern Indian regions, Pakistan, Bhutan and Nepal and Bangladesh.</li> </ul>
<p><b>Weather Outlook (24<sup>th</sup> – 30<sup>th</sup> Jan. 25)</b></p>	<ul style="list-style-type: none"> <li>▪ Much of Bhutan is likely to experience partly to mostly cloudy with light rainfall and snowfall. And temperature may experience unchanged and no much difference from the last week.</li> <li>▪ While Nepal may experience fair weather with partly cloudy to generally cloudy condition in hilly regions and southern regions may experience foggy weather in the last half of this week. There is a chance of cloudy condition with light snowfall at the end of this week which may partially impact of western part of Nepal.</li> <li>▪ Maldives is likely to experience continuous heavy to very heavy rainfall with wind gust due to prevailing easterly wave which may cause water logging for some of the low laying islands of eastern region.</li> <li>▪ Much of Myanmar may experience decreasing temperature and light rainfall over eastern and southeastern part of the country due to the high-pressure system over China.</li> <li>▪ Whereas Sri Lanka is likely to experience moderate to heavy rainfall with thundershowers eastern and northeastern regions due to the influence active north eastern monsoon along with wind gust.</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Much of Bangladesh is likely to experience dry weather and mild to moderate cold wave with moderate to dense fog at many places of the country during the last half of the week.</li> <li>▪ While Pakistan is likely to experience scattered rainfall over the northeastern and adjoining regions. Moreover, light to moderate snowfall may also continue to occur over the western hilly regions due to the western disturbance. Dense fog and decreasing temperature may also observe.</li> </ul>	
<b>Extended Range Outlook (24 Jan 2025 – 20 Feb. 2025)</b>	<b>Extended Temperature outlook</b> <ul style="list-style-type: none"> <li>▪ Most of the countries of Northwestern part of South Asia especially northwestern India, Pakistan, and Afghanistan, Nepal, Bhutan and Bangladesh would experience below-normal temperatures till 20<sup>th</sup> February and temperature may rise in the subsequent week ending on 20<sup>th</sup> February.</li> </ul>	<b>Extended Rainfall Outlook</b> <ul style="list-style-type: none"> <li>▪ Significant amount of rainfall and snowfall is expected around the equatorial Northwestern Himalayan and hilly regions in the 1<sup>st</sup> week due to the active passage of easterly waves. Sri Lanka, Maldives and most of the southern parts of India, basically Tamil Nadu and would likely to get good amount of rainfall because of active northeastern monsoon in week 2<sup>nd</sup> to 4<sup>th</sup>.</li> </ul>
<b>Ocean Watch</b>	<b>Observed Ocean Surface Conditions (17<sup>th</sup> – 23<sup>rd</sup> Jan. 25)</b> <ul style="list-style-type: none"> <li>▪ Significant wave height and swell surge observed over most coastal regions of Bangladesh and Maldives due low-pressure areas over Arabian Sea. Around 20 second which caused high alert in those coastal regions.</li> </ul> <b>Forecast for the coming week (24<sup>th</sup> – 30<sup>th</sup> Jan. 25)</b> <ul style="list-style-type: none"> <li>▪ wave height, and surges are expected around 11 to 12 meter per second over the southern coastal regions of Southern North, Southern Indian Ocean and some coast of Sri Lanka and Maldives due to a system in the South Indian Ocean.</li> </ul>	