

Weekly SAHF Forecasters' Forum (FF)#170

Date: 15th May 2025

Discussion Notes

<p>Realized Weather-Country Reports (9th May – 15th May 25)</p>	<ul style="list-style-type: none"> ▪ Bhutan observed partly to mostly cloudy weather with light to moderate rainfall and thunderstorm over the country. The highest rainfall recorded in southern regions of the country. Whereas highest temperature recorded over the southern and western region of the country. ▪ Nepal experienced partly cloudy to generally cloudy condition in the hilly regions and mainly fair to partly cloudy in the rest of the country. Light to moderate rainfall with thunder and lightning was observed in a few places of hilly regions and one or two places of the rest of the country. Isolated heavy rainfall was also observed in one or two places of hilly regions of the eastern and central part of the country. Above normal maximum and minimum temperature was observed over the most of the stations of the country. ▪ Bangladesh experienced rainfall with thunderstorm and lightning at one or two places over the country. Temperature increased slightly during the 1st half of the week and decreased slightly during the 2nd half. Severe to very severe heatwave observed over the western and middle part of the country and mild to moderate heatwave experienced elsewhere. ▪ Maldives experienced scattered thundershowers over the country with heaviest rainfall in southern part. The surface winds were strong and mostly at northwesterly direction. Maximum gusty wind recorded in southern part of the country. ▪ Sri Lanka experienced thundershowers in most parts of the island during evening and night. Maximum rainfall was reported in the southwestern part of the island. Whereas minimum temperature was recorded in the central hills and maximum temperature was recorded in the northern part of the Island. ▪ Pakistan observed light to moderate rain with thunderstorm in Panjab and Sindh region of the country. Heatwave condition is developed at the end of the week over the country especially focused in the plain areas of Punjab. Thus, a heatwave alert is issued.
<p>Significant Weather Features in the region for the coming week (16th – 23rd May 25)</p>	<ul style="list-style-type: none"> ▪ The well-organized mid-latitude circulations over Bay of Bengal, eastern Arabian sea with westerlies and movement of monsoon air mass indicates the establishment of monsoon current. The onset of monsoon is expected over the Peninsular India by 22nd May. This monsoon air mass will bring thundershowers and large-scale precipitation throughout the week. Maximum rainfall activity is likely to occur in the West coast and Arakan coast and these thundershowers may continuing up to Nepal, Bhutan, northern part of Bangladesh and eastern part of India. Lot of lightning activities are likely to be seen over the northeast and eastern part of India, Bangladesh, Nepal and Myanmar. ▪ Whereas, hot weather condition may persist in Pakistan, Afghanistan and northern part of India. ▪ IOD currently is neutral but on the positive side and MJO seems to be positive in the 2nd half of the week. Thus, very active monsoon condition with above normal precipitation over Bay of Bengal and west coast of India is expected to be seen in the coming week.
<p>Weather Outlook (16th – 23rd May 25)</p>	<ul style="list-style-type: none"> ▪ Bhutan is likely to experience mostly cloudy to cloudy weather with light to moderate rainfall over the country with thunderstorms and gusty winds. ▪ Nepal may experience partly to generally cloudy condition in hilly region of the country whereas mainly fair to cloudy weather may persist in the rest of the country. Light to moderate rainfall with thunder, lightning and gusty wind is likely to observe

	<p>in few places of hilly region and one or two places of the rest of the country. Isolated heavy rainfall is also expected in one or two places of central and eastern parts of the country. Above normal minimum temperature and below normal maximum temperature are expected to observe in most of the stations.</p> <ul style="list-style-type: none"> ▪ Bangladesh is likely to experience light to moderate thundershowers with lightning flashes and temporary gusty wind at one or two places during the 1st half of the week and at a few places of the country during 2nd half of the week. Mild to moderate heatwave may experience over western and isolated places of the country. Temperature may decrease within the 2nd half of the week. ▪ Maldives is likely to experience scattered showers over central and northern part of the country during the 1st half of the week and isolated showers over the country during the 2nd half of the week. ▪ Myanmar may experience heavy to very heavy thundershowers with lightning activities in the Arakan coast and moderate to heavy rainfall all over the country. ▪ Sri Lanka is expecting increase of rainfall over the southwestern parts of the country with the enhancement of wind speed and wind pattern. Thus, Sri Lanka is expecting early southwest monsoon this year within the next week. ▪ While, Pakistan is likely to experience heatwave condition over the country and especially in the plain areas of Punjab. Met office may issue another heatwave alert during the 2nd half of the week.
--	---

<p>Extended Range Outlook (16th May – 12th Jun 2025)</p>	<p>Extended Temperature outlook</p> <ul style="list-style-type: none"> ▪ Warm anomalies of minimum temperature may persist in all throughout the India and the surrounding regions from 1st week to 4th week. ▪ Below normal anomalies of maximum temperature may prevail in the southern peninsula, eastern and northeastern part of India, Bangladesh and Myanmar from the 1st week to 3rd week, and above normal maximum temperature may observed from 1st week to 4th week in Pakistan and Bhutan, up to 2nd week over the parts of Northwest India, on 3rd and 4th week in northern India and Sri Lanka, and only 4th week in western part of India. 	<p>Extended Rainfall Outlook</p> <ul style="list-style-type: none"> ▪ The west coast of India, particularly over the Kerala, is expecting above normal rainfall anomalies from 1st week to 3rd week this may decrease slightly in the 4th week. Arakan coast and southwest coast of Bangladesh along with north and northwestern part of Bangladesh, southern part of Bhutan, central part of Nepal and Meghalaya, Assam region of India may experience above normal rainfall from 1st week to 3rd week. On the 4th week Meghalaya and Assam region of India including western part of Bangladesh is likely to have above normal rainfall. Southwest coast of Sri Lanka may receive above normal rainfall on the 2nd week and 4th week. ▪ Whereas, the below normal rainfall is likely to experience in the Arunachal Pradesh of northeast India from 1st week to 3rd week, the southern Arakan coast on 1st and 4th week, northern part of Pakistan on 1st week, west of Assam in India on 3rd week and northwest part of Bangladesh on 4th week.
---	---	---

		<ul style="list-style-type: none"> ▪ The probability of the onset of monsoon in the southern India is expected to have on around 22nd May.
Ocean Watch	<p>Observed Ocean Surface Conditions (9th May – 15th May 25)</p> <ul style="list-style-type: none"> ▪ A significant swell height for 08 to 19 seconds has been observed in the Arabian Sea, Bay of Bengal and equatorial Indian Ocean, and swell surge alert has been issued to Andaman and Nicobar Islands including East and West Coast of India. Maximum significant wave height was observed around 0.5 to 2.8 meters in Bay of Bengal and Arabian Sea. Sea surface temperatures were 23 to 33.5 degrees centigrade. <p>Forecast for the coming week (16th May – 23rd May 25)</p> <ul style="list-style-type: none"> ▪ Almost normal wave height is expected around 1.1 to 3.0 meters, maximum in the western Bay of Bengal. SST is expected up to 33 degree centigrade in the Bay of Bengal and 27-29 degree centigrade in the Arabian Sea. 	