

Tidal flooding alert for the Indian coastline

There is a possibility of flooding in the low lying areas, especially during high tide timings due to the proxigean** spring tides for the period July 11-15, 2018. Sustained strong onshore winds, high nearshore waves/swells & heavy rainfall and associated discharge can cause nuisance flooding (public inconveniences) especially at high tide times along low lying coastal areas.

Table. Approximate timings of the Higher High Water and Lower High Water for the period July 11-15, 2018, when there is a possibility of nuisance flooding caused by the spring tides.

Region (state/island)	Higher High Water timings (IST in hrs)	Lower High Water timings (IST in hrs)
West Coast		
Gujarat	1000-1300	2000-2350
Maharashtra	1000-1400	2000-2350
Goa	1000-1300	2000-2350
Karnataka	1000-1300	2000-2350
Kerala	1100-1400	2100-2350
East Coast		
West Bengal	0700-1100	2000-2350
Odisha	0700-1000	1900-2300
Andhra Pradesh	0700-1000	1900-2200
Tamil Nadu	0700-1000	1800-2200
Island Union Territory		
Lakshadweep	1100-1400	2100-2350
Andaman	0700-1100	2000-2300
Nicobar	0700-1100	2000-2300

**A proxigean spring tide is a rare, extreme form of spring tide which occurs once every 1.2 to 1.5 years during new moon phase, when the moon is at its proxigee, the point of the moon's elliptical orbit that is closest to the earth. This produces around 25% increase in tide.