



The Madden Julian Oscillation (MJO) index lies currently in Phase 2 with amplitude more than 1. It will continue in same phase during entire period with amplitude remaining more than 1. Thus, the phase of MJO will support enhancement of convective activity over Arabian Sea (AS) during weeks 1 and 2.

Most of the numerical models including NEPS, NCUM are not indicating any cyclogenesis over the AS region during the period. However IMD GFS, NCEP GFS, GEFS, ECMWF are indicating cyclogenesis over the northeast AS off Gujarat coast during latter half of week 1 to first half of week 2. IMD GPP is also indicating more than 30% probability of cyclogenesis over the same region during latter half of week 1.

Considering all the above, there is a low probability of cyclogenesis over the northeast AS off Gujarat coast during latter half of week 1 to first half of week 2.

**Verification of forecast issued during last two weeks:**

The forecast issued on 18th June for week 2 (26.06.2020-02.07.2020), and the forecast issued on 25<sup>th</sup> June for week 1 (26.06.2020-02.07.2020) did not predict any cyclogenesis during the period.

Non occurrence of cyclogenesis over the NIO was correctly predicted two weeks in advance.

**Next update: 09.07.2020**