



The Madden Julian Oscillation (MJO) index is entering into Phase 4 with amplitude less than 1. It will remain in Phase 4 with amplitude less than 1 during week 1 & most part of week 2. It is likely to move into Phase 5 with amplitude less than 1 towards the end of week 2. Thus, the phase of MJO will support convective activity over the north Indian Ocean during week 1 and week 2.

Most of the numerical models including IMD GFS, GEFS, ECMWF, NEPS & NCUM are not indicating any cyclogenesis over the region during week 1 as well as NCEP GFS during weeks 1&2. The Genesis Potential Parameter (GPP) based on IMD GFS is not indicating any potential zone for cyclogenesis during week-1. The GPP based on CGEPS (MME) is also not indicating any cyclogenesis during weeks-1 & 2.

Considering the above, it may be concluded that there is no cyclogenesis likely over the north Indian Ocean during weeks 1 & 2.

Verification of forecast issued during last two weeks:

The forecast issued on 13th August for week 2 (21.08.2020-27.08.2020) and the forecast issued on 20th August for week 1 (21.08.2020-27.08.2020) stated NIL probability for the period.

Thus non occurrence of cyclogenesis over North Indian Ocean was correctly predicted two weeks in advance.

Next update: 10.09.2020