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இந்திய வானிலை ஆய்வு துறை  
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GOVERNMENT OF INDIA  
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### Press Release

India Meteorological Department is operating an S-Band Doppler Weather Radar (DWR) at Chennai. This is the first DWR installed in India 20 years ago in 2002. After continuous operation of the radar for such a long time, due to wear and tear of mechanical parts, technical snag arose in the antenna bull gear unit recently. Hence continuous operation of the radar was gradually restricted to operation as & when required in order that the radar does not go completely dysfunctional. Efforts were taken to replace the spare parts but could not be realised as custom made parts are not readily available and technology used in the concerned spare part has changed with time. Due to COVID situation also the issue could not be resolved early.

However, with the consistent efforts of Ministry of Earth Sciences and IMD, and with technical support from ISRO, a new bull gear unit is now designed & fabricated in India. The old damaged bull gear unit is now replaced by the new one. All necessary technical tests and calibration procedures are over. The RADAR operation is now restored and brought back for operational usage with full functionality. Restoration of the RADAR operation through indigenous efforts stands as testimony to 'Atma Nirbar' during the celebration of 'Azadi ka Amrit Mahotsav'