

PARLIAMENT QUESTION: NAVIC SATELLITE SYSTEM

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Total number of NavIC satellites launched are eleven; out of these eight satellites are functional. Three satellites are broadcasting navigation signals and five satellites are capable of broadcasting signals for one-way messaging.

NavIC constellation is designed to provide Position, Navigation and Timing (PNT) services over India and a region extending up to 1500km from Indian land mass for various applications such as civilian navigation, maritime operations and disaster management. Discussions are ongoing with Airport Authority of India/Ministry of Civil Aviation on adoption of NavIC in air traffic management. It is to kindly note that India's space-based augmentation system GAGAN is operational and providing services for air navigation. Department of Space (DoS) is constantly engaged in efforts to broaden the use of NavIC in various critical infrastructures such as real-time train tracking, fishing vessel communication and support system, location system on public & commercial vehicles for passenger safety, and IST dissemination.

DoS is actively working for operationalization of NavIC and associated satellite systems for providing secure navigation service. The roadmap for further strengthening satellite navigation architecture includes completion of NavIC base layer constellation and suitable enhancement in services to meet the user requirements, and induction of indigenous technologies including space-grade atomic clock for technological self-reliance.

This information was given by the Minister of State (Independent charge) for the Ministry of Personnel, Public Grievances & Pensions and In the Prime Minister's Office **Dr. Jitendra Singh** in a written reply in the Lok Sabha today.

NKR/NM

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