

**GOVERNMENT OF INDIA
CIVIL AVIATION
LOK SABHA**

UNSTARRED QUESTION NO:1186
ANSWERED ON:26.11.2009
NAVIGATION SYSTEM AT AIRPORTS
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Will the Minister of CIVIL AVIATION be pleased to state:

- (a) the number of airports in the country having digitalized Performance Based Navigation (PBN) systems;
- (b) the number of airports in the country having the Geo Augmented Global Satellite Navigation (GAGSN) technology;and
- (c) the steps taken by the Government to cover the remaining major airports by the advanced Navigation systems?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF CIVIL AVIATION(SHRI PRAFUL PATEL)

(a): Performance Based Navigation (PBN) arrival and departure procedures have been implemented at Mumbai, Delhi, Chennai and Ahmedabad till date.

(b) & (c): Final Operational Phase (FOP) of GPS Aided Geo Augmented Navigation (GAGAN) is under implementation and is expected to be operationalized by June, 2013. This technology is not airport based but it is space based. Once the GAGAN system is operational, it will be available for use at all airports in the country.