

**GOVERNMENT OF INDIA
MINISTRY OF CIVIL AVIATION
LOK SABHA
UNSTARRED QUESTION NO. : 2592
(To be answered on the 16th March 2023)**

GAGAN SYSTEM

2592. SHRIMATI QUEEN OJA

**Will the Minister of CIVIL AVIATION
नागर विमानन मंत्री**

be pleased to state:-

- (a) whether the Government has launched 'Gagan System' and if so, the details thereof including its aims and objectives and reasons therefor;**
(b) the estimated cost to develop and deploy the said scheme;
(c) whether it perfectly controls the Air Traffic System or it requires some changes; and
(d) if so, the details thereof?

ANSWER

Minister of State in the Ministry of CIVIL AVIATION

नागर विमानन मंत्रालय में राज्य मंत्री

(GEN. (DR) V. K. SINGH (RETD))

(a): Yes Sir, GAGAN (GPS Aided GEO Augmented Navigation) is an Indian Satellite Based navigation system which has been developed jointly by Airports Authority of India (AAI) and Indian Space Research Organization (ISRO). GAGAN was implemented to provide state of the art Satellite based navigation to all civil aviation aircrafts over the Indian Airspace as per International Civil Aviation Organization (ICAO) Standards And Recommended Practices (SARPs).

GAGAN has been certified and became fully operational since May 2015 and is capable of providing Navigation services to Departure, En-route & Landing operations to suitably equipped aircraft over entire Indian air space and at most part of Indian landmass.

(b): The total capital expenditure cost of GAGAN project is Rs. 792.70 crore.

(c) & (d): GAGAN is a navigation system facilitating suitably equipped aircraft to navigate during its all phases of flight. No changes are required for ground infrastructure and GAGAN can be utilized in an aircraft fitted with GAGAN enabled receivers.
