

GOVERNMENT OF INDIA  
MINISTRY OF CIVIL AVIATION  
**LOK SABHA**

**UNSTARRED QUESTION NO. : 4471**  
( TO BE ANSWERED ON THE 19th March 2026 )

**UPGRADATION AND MODERNISATION OF RUNWAYS**

4471. SHRI ARVIND DHARMAPURI

Will the Minister of CIVIL AVIATION

be pleased to state:-

(a) whether the Government conducts periodic assessment of the quality, safety and load-bearing capacity of airport runways in the country and if so, the details thereof;

(b) the number of runways that have been upgraded, resurfaced or strengthened during the last five years, airport-wise;

(c) whether any new technologies, materials or systems such as advanced pavement design, sensor-based monitoring or improved landing support systems are being adopted to enhance runway safety and durability and if so, the details thereof; and

(d) the details of runway upgradation or modernisation projects currently underway or proposed along with the expected timelines for their completion?

**ANSWER**

Minister of State in the Ministry of CIVIL AVIATION (Shri Murlidhar Mohol)

(a): Licensed aerodromes are required to comply with the provisions of Directorate General of Civil Aviation (DGCA) Civil Aviation Requirements (CAR) and Aerodrome Advisory Circulars, which mandate regular inspection and maintenance of runway infrastructure.

Periodic audits and inspections of aerodromes are conducted to verify compliance with prescribed standards and ensure that runway infrastructure continues to meet the required safety and operational performance criteria.

(b): During the last five years, a total of 43 runways at various airports of Airports Authority of India (AAI) across India have been upgraded, resurfaced and strengthened.

(c): Airports Authority of India (AAI) carries out runway pavement design based on FAA Rigid and Flexible Iterative Elastic Layer Design (FAARFIELD) developed by Federal Aviation Administration (FAA).

AAI has also conducted Airfield Pavement Management System (APMS) study at 10 airports to assess repair and maintenance methodology required at Indian airports.

(d): Runway upgradation/modernisation projects are currently underway at 13 airports of AAI.

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