

**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS**

**LOK SABHA
UNSTARRED QUESTION NO. 467
ANSWERED ON 06TH FEBRUARY, 2025**

**USE OF AUTOMATED & INTELLIGENT MACHINE-AIDED
CONSTRUCTION SYSTEM**

467. PROF. SOUGATA RAY:

Will the Minister of ROAD TRANSPORT AND HIGHWAYS

सडक परिवहन और राजमार्ग मंत्री

be pleased to state:

- (a) whether the Government has any proposal to expedite the use of Automated & Intelligent Machine-aided Construction (AIMC) system for the construction of National Highway projects, and if so, the details thereof;**
- (b) the details of the advantages of the use of AIMC; and**
- (c) whether such a system has been used so far in the country and if so, the details thereof?**

ANSWER

THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS

(SHRI NITIN JAIRAM GADKARI)

(a) to (c) National Highways Authority of India (NHAI) has taken up one pilot project of Automated & Intelligent Machine-aided Construction (AIMC) system in Lucknow-Kanpur Greenfield Expressway Project, wherein Automated & Intelligent Machines such as GPS-aided Motor Grader, Intelligent Compactor and stringless Paver have been used.

Envisaged advantages of AIMC are savings in time of construction without compromising quality of construction, increased

productivity, real time digital documentation & monitoring and better control on quality parameters such as smooth levelled surface, adequately & uniformly compacted surface, etc.

Government has taken up the initiative for finalizing policy for use of AIMC for National Highway Projects.
