

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

**LOK SABHA
UNSTARRED QUESTION NO. 2064
ANSWERED ON 11TH DECEMBER, 2025**

OUTDATED POLLUTION TESTING EQUIPMENT AT PUC CENTRES

2064. Shri VISHALDADA PRAKASHBAPU PATIL:

**Will the Minister of ROAD TRANSPORT AND HIGHWAYS
be pleased to state:**

- (a) the steps taken to ensure the accuracy and integrity of the linkage of Pollution Under Control (PUC) data with the VAHAN database;**
- (b) whether the Government is addressing the issue of outdated pollution testing equipment at PUC centres which may lead to inaccurate results and contribute to air pollution;**
- (c) if so, the details thereof and if not, the reasons therefor;**
- (d) the steps being taken by the Government to encourage the use of mobile PUC testing units especially in remote areas; and**
- (e) whether the Government is exploring the use of remote sensing technology to monitor vehicle emissions and identify vehicles not complying with pollution norms and if so, the details thereof?**

ANSWER

**THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS
(SHRI NITIN JAIRAM GADKARI)**

- (a) Pollution testing using the NIC-developed software has been implemented in 31 States. The system measures the emission parameters strictly as per specifications and thresholds defined in Central Motor Vehicle Rules (CMVR), 1989.**

(b) to (d) To facilitate better enforcement in the field of Pollution Testing for Vehicles, Pollution Under Control Certificate (PUC) Version 2.0 has been developed by NIC; the key features of which are as under:

(i) Geo Fence: The application will only work within a predefined radius of 30-40 meters (State configurable) of the Auto Emission Testing Centres (AETCs).

(ii) Three media files are to be captured i.e. Registration Number Plate image; landscape Image of Vehicle along with PUC Centre; and a very short video of 4-5 seconds capturing the vehicle and the PUC Centre.

(iii) The test results are updated in Vahan system on real-time basis. As an additional check, system blocks a PUC centre with the expiry of (1) device Annual Maintenance Contract (AMC) (2) licence validity or (3) machine calibration.

(iv) The PUC 2.0 Mobile Application allows for the registration of multiple mobile numbers (State-configurable). However, only one device is allowed to login, at a time.

Government has requested all States and Union Territories to implement the updated PUC software, Version 2.0 developed by NIC.

(e) Rs. 510 Lakh has been sanctioned for study on Remote Sensing Technology carried out jointly by Automotive Research Association of India (ARAI), International Centre for Automotive Technology (ICAT) and International Council on Clean Transportation (ICCT).
