

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

RAJYA SABHA
UNSTARRED QUESTION NO. 3733
TO BE ANSWERED ON 03.04.2025

Next generation sequencing facility

3733. SHRI PRAMOD TIWARI:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether the next generation sequencing facility will be a game changer for wildlife research in the country;
- (b) if so, the steps taken in this regard; and
- (c) the way this facility will provide scientists with the latest tools to decode the genetic mysteries of biodiversity and create solutions to protect it besides bolstering ongoing projects?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI KIRTI VARDHAN SINGH)

- (a) to (c) Next-generation sequencing facility enables faster genetic analysis thereby improving research in species conservation, forensic investigation of illegal wildlife related articles, disease surveillance, ecological and evolutionary studies, climate resilience and adaptive studies and biodiversity monitoring.

Advanced Sequencing and Automation Infrastructure has been installed in the Wildlife Institute of India, Dehradun, an autonomous institute under the Ministry of Environment, Forest and Climate Change.
