

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

RAJYA SABHA
UNSTARRED QUESTION NO. 2926
TO BE ANSWERED ON 13.08.2026

Strengthening wildlife conservation and research

2926. SHRI AMAR PAL MAURYA:
DR. MEDHA VISHRAM KULKARNI:
DR. PARMAR JASHVANTSINH SALAMSINH:
SHRI LAHAR SINGH SIROYA:
SHRI ASHOKRAO SHANKARRAO CHAVAN:
DR. SATISH POONIA:

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

- (a) whether Government has operationalised the Next Generation DNA Sequencing Facility and Digital Wildlife Information Systems for strengthening wildlife conservation and research;
- (b) the objectives, expenditure incurred and major features of these facilities;
- (c) whether these facilities would be used for genetic profiling, wildlife forensics, disease surveillance and monitoring of endangered species;
- (d) whether the State Forest Departments and protected areas are proposed to be integrated with the digital platform; and
- (e) the steps taken to promote technology-driven wildlife conservation, real-time data sharing and capacity building across the country?

ANSWER

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

(a) to (e): Next-generation sequencing (NGS) facility provides faster genetic analysis thereby improving research in species conservation, forensic investigation of illegal wildlife related articles, disease surveillance, ecological and evolutionary studies, and evidence based biodiversity protection and population monitoring across the country. An amount of Rs. 6.16 Crores was released for insatalltion of NGS facility at the Wildlife Institute of India, Dehradun and the Zoological survey of India, Kolkata. These facilities also support the protected areas located in the all States and Union Territories in the management of wildlife and its habitats.

The Government of India, through this Ministry, implements the Centrally Sponsored Scheme of Integrated Development of Wildlife Habitats, which comprises the components of Project Tiger & Elephant and Development of Wildlife Habitats for the conservation and management of wildlife. The activities supported under the scheme include capacity building of frontline staff, monitoring and surveillance through early warning systems, camera traps, GPS/satellite based radio telemetry, smart applications like M-STrIPES, drones/UAVs.
