

**GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY**

**LOK SABHA UNSTARRED QUESTION NO. 1890
TO BE ANSWERED ON 30.07.2021**

Mutations of COVID -19 virus

1890. Shri Jayadev Galla:
Shri Khagen Murmu:
Shri Ravikumar D.:
Shrimati Kanimozhi Karunanidhi:

Will the Minister of SCIENCE AND TECHNOLOGY विज्ञान और प्रौद्योगिकी मंत्री
be pleased to state:

- (a) the details of different mutations of the SARS -Cov-2 virus detected in India and number of people infected by each of such strain along with the measures being taken for conducting research on the potential variants of concern, their transmission rate, target and severity;
- (b) the manner in which data is being collected for conducting research on the virus causing COVID-19 and if so, the protocol being followed for the management of such data and its use for further medical research;
- (c) whether the Government has any plan to set up a genome sequencing lab in each State/ UT and if so the details thereof; and
- (d) the details of cases found infected with Delta Plus variant of COVID-19, State-wise?

ANSWER

**MINISTER OF STATE (INDEPENDENT CHARGE) OF
SCIENCE AND TECHNOLOGY AND EARTH SCIENCES
(DR. JITENDRA SINGH)**

- (a) Sir, the Indian SARS-CoV-2 Genomics Consortium (INSACOG) is monitoring the genomic variations in the SARS-CoV-2 in India. A total of 58.4% of positive samples tested are of Variants of Concern (VOCs)/Variants of Interest (VOIs). The details of the mutations of SARS-CoV2 detected through INSACOG network as on 22.07.2021 are:

Total Samples Sequenced	Total Samples Analyzed	Alpha Variant	Beta Variant	Gamma Variant	Delta Variant	VOIs (B.1.617.1, B.1.617.3 and others)	Total VOCs/VOIs
58,240	46,124	4,172	217	1	17,169	5,398	26,957

- (b) INSACOG collects samples through the Integrated Disease Surveillance Programme (IDSP) network for public health purpose to assess the impact on transmissibility and disease severity.
- (c) The 28 laboratories are located in 13 States/UTs. Efforts in terms of expansion of INSACOG and onboarding more laboratories have been undertaken. The criteria for recognizing the laboratories have been finalized. Laboratories which fulfill the criteria are recognized as INSACOG Genome Sequencing Laboratory (IGSL).
- (d) A total of 70 Delta Plus strains have been found as on 23.07.2021. The details of cases found to be infected with Delta Plus variant of SARS-CoV-2 is given in Annexure-A

Annexure –A

Details of cases found infected with Delta Plus variant of SARS-CoV-2 as on 23.07.2021

Name of State	Total cases
Madhya Pradesh	11
Maharashtra	23
Chandigarh	04
Andhra Pradesh	02
Punjab	02
Gujarat	02
Kerala	03
Himachal Pradesh	01
Tamil Nadu	10
Orissa	01
Telangana	02
Rajasthan	01
Jammu	01
Karnataka	03
Haryana	01
Uttar Pradesh	02
Uttarakhand	01
Total	70