

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION NO-617
ANSWERED ON 07-12-2023

Genome India Initiative

617 Shri S Niranjana Reddy:

Will the Minister of *Science and Technology* be pleased to state:

- (a) the total number of genomes sequenced till now in the country under Genome India Initiative;
- (b) the State/UT-wise details thereof;
- (c) the proposed use of the same and proposed target in this regard; and
- (d) the agencies being provided, or proposed to be provided, access to the above-mentioned data?

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) FOR THE
 MINISTRY OF SCIENCE & TECHNOLOGY
 (DR. JITENDRA SINGH)

- (a) Whole genome sequencing (WGS) has been completed for 8151 samples.
- (b) the State/UT-wise details are as follows:

Sequencing Centers	Name of the states/UTs from where samples are collected	Whole genome sequencing completed
Centre for Brain Research, IISc Bangalore	Karnataka	1954
	Uttar Pradesh	
	Himachal Pradesh	
	Madhya Pradesh	
	Haryana	
	Uttarakhand	
	Karnataka	
	Maharashtra	570
	Goa	637
	Kerala	
Centre for Cellular & Molecular Biology,	Andhra Pradesh	557
	Uttarakhand	

Hyderabad	Tamil Nadu	424	
	Rajasthan		
	Madhya Pradesh		
	Gujarat		
	Rajasthan		504
	Madhya Pradesh		
CSIR-IGIB Institute of Genomics and Integrative Biology, New Delhi	Delhi	1429	
	Bihar		
	Jharkhand		
	Uttar Pradesh		
	Himachal Pradesh		
	Punjab		
	Haryana		
	Uttarakhand		
	Kashmir		398
	Jammu		
	Ladakh		
National Institute of Biomedical Genomics, Kalyani	West Bengal	697	
	Jharkhand,		
	Bihar,		
	Mizoram	432	
	Assam		
	Meghalaya		
	Manipur	156	
	West Bengal		
	Bihar		
	Jharkhand	393	
	Odisha		
	Chhattisgarh		
Total		8151	

(c) The proposed target for whole genome sequencing is approx. 10,000. The GenomeIndia Data will be used as resource to create reference Genome for Indian population and to establish a biobank for biological samples collected, for future use in research

(d) Access to the Genome India Data will be provided to researchers as per the provisions of Biotech PRIDE (Promotion of Research and Innovation in the Country) Guidelines 2020-21.
