

**GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
DEPARTMENT OF HEALTH AND FAMILY WELFARE**

**LOK SABHA
UNSTARRED QUESTION NO. - 4920
TO BE ANSWERED ON 01.04.2022**

PRIVATE LABS FOR GENOME SEQUENCING

4920. SHRI JAYADEV GALLA:

Will the Minister of **HEALTH AND FAMILY WELFARE** be pleased to state:

- (a) the number of private labs that can do genome sequencing along with their genome sequencing capacity State/UT-wise;
- (b) whether the private labs have been prevented from doing genome sequencing of COVID-19, if so, the reasons therefor;
- (c) whether the Government aims to include private labs for Genome sequencing, if so, the details thereof including the time since when the proposals has been in the pipeline and the current status thereof;
- (d) the capacity of genome sequencing of the Indian SARS-CoV-2 Genomic Consortium (INSACOG) along with the number of sequencing being done per day classified month-wise from the year 2019; and
- (e) the names and location of the genome sequencing centres under INSACOG?

**ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND
FAMILY WELFARE
(DR. BHARATI PRAVIN PAWAR)**

(a) to (e) :

As per the information provided by Department of Biotechnology, the State/ UT wise details of private labs that can do genome sequencing along with their capacity is placed at **Annexure IA**.

A Standard Operating Procedures (SOP) for joining INSACOG network by new laboratories nominated by Central Govt. Ministries/ Department as well as State Government nominated laboratories, laboratories belonging to private sector and other entities has also been formulated and notified in public domain. Further Six Private Genome Sequencing Laboratories has been approved after due procedure for the inclusion in the Indian SARS-CoV-2 Genomics Consortium.

The SARS- CoV-2 genome sequencing capacity of INSACOG Genome Sequencing Laboratories (IGSLs) is about 60,000 samples per month. The number of samples sequenced by INSACOG IGSLs under INSACOG consortium is placed at **Annexure IB**.

The details of INSACOG Genome Sequencing Laboratories are placed at **Annexure II**.

Annexure IA

State/UTs	Name of Laboratory	Sequencing capacity per month (Rounded off to the nearest 100)
Karnataka	Genotypic Technologies Pvt. Ltd	6000
	Medgenome	23600
	Eurofins Genomics India Pvt. Ltd.	1000
	Strands life Sciences Pvt. Ltd.	12000
Gujarat	Unipath Specialty laboratory, Ahmedabad	3200
	Sterling Accuris Wellness Pvt.Ltd	800
	NeubergSupratech Reference Labs Pvt Ltd., Ahmedabad	6100
Delhi	Genestrings Diagnostic Laboratory Pvt. Ltd.	1000
	CARINGdx, Mahajan Imaging Pvt. Ltd.	4000
	Ganesh Diagnostic & Imaging Centre Pvt. Ltd.	6000
	Dr. Lal Pathlabs Ltd.	400
Maharashtra	NerdGene Healthcare Pvt. Ltd.	3000
	SRL Diagnostics	100
	Metropolis Healthcare Ltd	300
Tamil Nadu	Life Cell International Pvt. Ltd.	2000
	Iris Laboratories	400
	Theragen Lifesciences Pvt. Ltd.	1600
	NucleomeInformaticPvt. Ltd.	10,000
Haryana	Pathkind Diagnostics Pvt. Ltd.	2000
Uttar Pradesh	RML Mehrotra Pathology Pvt. Ltd.	1000

Note – According to information received in Expression of interest from Private labs for their inclusion in INSACOG network.

Annexure IB

Samples sequenced by IGSLs under INSACOG Consortium	
Month	Month-wise samples sequenced
Jan- Apr-21	10037
May-21	26129
Jun-21	14355
Jul-21	9841
Aug-21	7509
Sep-21	14952
Oct-21	10597
Nov-21	9460
Dec-21	21407
Jan-22	34511
Feb-22	30694
March (as on 23-03-2022)	11881

Annexure II

S. No.	Institute Name
1	National Institute of Biomedical Genomics (NIBMG), Kalyani, West Bengal
2	Institute of Life Science (ILS), Bhubaneswar
3	Institute of Stem Cell Biology and Regenerative Medicine (InSTEM/NCBS), Bengaluru
4	Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad
5	National Centre for Cell Science (NCCS), Pune
6	CSIR-Institute of Genomics and Integrative Biology (IGIB), Delhi
7	CSIR Centre for Cellular and Molecular Biology (CCMB), Hyderabad
8	National institute of Mental Health and Neurosciences Hospital (NIMHANS), Bengaluru
9	ICMR- National Institute of Virology (NIV), Pune
10	National Centre for Disease Control (NCDC), Delhi
11	North East Institute of Science and Technology (NEIST), Jorhat, Assam
12	National Chemical Laboratory (NCL), Pune, Maharashtra
13	Central Drug Research Institute (CDRI), Lucknow, Uttar Pradesh
14	National Botanical Research Institute (NBRI), Lucknow, Uttar Pradesh
15	Indian Institute of Chemical Biology (IICB), Kolkata, West Bengal
16	Institute of Microbial Technology (IMTECH), Chandigarh
17	Institute of Bioresources and Sustainable Development (IBSD), Imphal, Manipur
18	Rajiv Gandhi Centre for Biotechnology (RGCB), Thiruvananthapuram, Kerala
19	National Institute for Research in Tuberculosis (NIRT), Chennai, Tamil Naidu
20	Regional Medical Research Centre (RMRC), Bhubaneswar, Odisha
21	Regional Medical Research Centre (RMRC), Dibrugarh, Assam
22	Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru, Karnataka
23	All India Institute of Medical Sciences, New Delhi
24	Centre for Brain Research Indian Institute of Science (CBR-IISc), Bangalore, Karnataka
25	ByramjeeJeejeebhoy Government Medical College (BJGMC), Pune, Maharashtra
26	Gujarat Biotechnology Research Centre (GBRC), Gandhinagar, Gujarat
27	Institute of Liver and Biliary Sciences (ILBS), New Delhi
28	Indian Institute of Science Education and Research (IISER), Pune
29	Translational Health Science and Technology Institute (THSTI), Faridabad, Haryana
30	Indra Gandhi Institute of Medical Sciences (IGIMS), Patna
31	Government Doon Medical College, Dehradun
32	Mahatma Gandhi Medical College (MGMC), Jaipur
33	All India Institute of Medical Sciences (AIIMS), Bhopal
34	Gandhi Medical College and Hospital (GMCH), Secunderabad, A.P.
35	Sri Aurobindo Institute of Medical Sciences & Post Graduate Institute (SAIMS & PGI), Indore
36	Government Medical College, Patiala
37	Kempegowda Institute of Medical Sciences (KIMS), Bengaluru, Karnataka
38	Kasturba Gandhi Hospital For Infectious Diseases, Mumbai
39	LokNayak Hospital, Delhi
40	SMS Medical College, Jaipur
41	Pasteur Institute Shillong, Meghalaya
42	State Public Health Laboratory (SPHL), Chennai, Tamil Naidu
43	Next Generation Genomics Sequencing Lab MDU Rohtak
44	Mysore Medical College & Research Institute, Mysuru
45	Bangalore Medical College & Research Institute (BMCRI), Bengaluru, Karnataka
46	Defence Research & Development Establishment (DRDE), Gwalior, Madhya Pradesh
47	CSIR- National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur, Maharashtra
48	IMS, Banaras, Uttar Pradesh
49	Siddhartha medical college, Vijayawada, Andhra Pradesh
50	National Institute of Immunology, New Delhi
51	Shri VinobaBhave College & NAMO MEDICAL EDUCATION & RESEARCH INSTITUTE, Silvassa, Dadra and Nagar Haveli
52	King George's Medical University (KGMU), Lucknow, Uttar Pradesh