

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

**LOK SABHA  
UNSTARRED QUESTION NO. 931  
TO BE ANSWERED ON 18<sup>th</sup> SEPTEMBER, 2020**

**DEVELOPMENT OF COVID VACCINE**

**931. SHRI BIDYUT BARAN MAHATO:  
SHRI SANJAY SADASHIVRAO MANDLIK:  
SHRI KRUPAL BALAJI TUMANE:  
SHRIMATI MALA RAJYA LAXMI SHAH:  
SHRI SUDHEER GUPTA:  
SHRI JAGDAMBIKA PAL:  
SHRI D.K.SURESH:  
DR.PRITAM GOPINATHRAO MUNDE:  
SHRI SUNIL BABURAO MENDHE:  
SHRI CHANDRA SEKHAR SAHU:  
SHRI SHRIRANG APPA BARNE:  
SHRI THOMAS CHAZHIKADAN:  
ADV.ADOOR PRAKASH:  
SHRI RAMDAS C. TADAS:  
SHRI SUBHASH CHANDRA BAHERIA:  
SHRI MALOOK NAGAR:**

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

- (a) the total number of persons affected due to COVID-19 pandemic till date, State/UT-wise;
- (b) the number of deaths/recoveries reported as on date;
- (c) the details of Government institutes and private companies which are conducting research on development of COVID-19 vaccines along with the funds allocated/expenditure incurred by the Government in this regard;
- (d) the status of each vaccine along with the time by which the vaccine is likely to be developed and made available for public and the authority which is likely to determine the price of the vaccine;
- (e) whether the Government is taking steps to collaborate with international organizations or other countries in the development of vaccine, if so, the details thereof; and
- (f) whether the Government proposes to establish dedicated research centres for research and development of antidote to epidemic causing pathogens, if so, the details thereof along with other steps taken to curb the increasing proliferation of Corona virus?

**ANSWER  
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND  
FAMILY WELFARE  
(SHRI ASHWINI KUMAR CHOUBEY)**

(a) & (b): The State-wise details of total number of active cases, cured/discharged/recovered cases and deaths is an **Annexure I**.

(c): Nearly 30 vaccine candidates based on multiple technologies / platforms are under development in India, by both academia and industry. The Department of Biotechnology is supporting 8 proposals by industry and 2 proposals by academia for candidate vaccine development and associated research resources. Some major industry based efforts being supported by DBT include Some major projects being supported include Phase III trial of rBCG vaccine by Serum Institute of India, development of mRNA vaccine (Gennova Biopharmaceuticals Ltd.), inactivated rabies virus vector vaccine (Bharat Biotech) and VesiculoVax platform based candidate (Aurobindo Pharma). The funds allocated for these projects by Department of Biotechnology and Department of Science and Technology is approximately Rs. 78.4306 crore.

(d): The vaccines are in different stages of pre-clinical and clinical development. Nearly 3 candidates are in advanced stage of Phase I/II/III trials and 4 are in advanced pre-clinical development stage. Vaccine availability is subject to successful completion of phase III clinical trial.

(e): The Government of India conveyed its intent to be part of the Vaccine Pillar of the Access to COVID-19 Tools (ACT) Accelerator, which may be beneficial in providing access to the global vaccine candidates in advanced stages, for their further utilization in the country. Further, the Department of Biotechnology through the Ind-CEPI Mission is involved in key partnerships with Coalition for Epidemic Preparedness Innovations (CEPI) for supporting Indian researchers for development of clinical immune assays to advance vaccine research. Also, oversight is being provided by the Candidate Vaccine Advisory Committee (CVAC) under the Indo-US Vaccine Action Programme (VAP) to strengthen indigenous vaccine development activities.

(f): Five COVID19 Biorepositories have been setup by Department of Biotechnology, which have collected more than 40,000 samples which have been made available to researchers and industry **for developing diagnostics, therapeutics and vaccines**. Genome sequencing of more than 2000 SARS-CoV-2 samples collected from across the country has been completed, **which is important for development diagnostics, drugs and vaccines**.

A brief on Public Health Response to COVID-19 is attached as **Annexure II**.

State/UT wise details of number of total COVID-19 cases, active cases, recovered cases and deaths  
(as on 16-09-2020)

S. No.	Name of State / UT	Total Cases	Active cases	Recovered/ Discharged/ Migrated cases	Deaths
1	Andaman & Nicobar Islands	3574	204	3318	52
2	Andhra Pradesh	583925	92353	486531	5041
3	Arunachal Pradesh	6466	1795	4658	13
4	Assam	146575	29180	116903	492
5	Bihar	160871	13055	146980	836
6	Chandigarh	8592	2991	5502	99
7	Chhattisgarh	70777	35909	34279	589
8	Dadra & Nagar Haveli and Daman & Diu	2783	229	2552	2
9	Delhi	225796	29787	191203	4806
10	Goa	25511	5102	20094	315
11	Gujarat	116183	16357	96582	3244
12	Haryana	98622	20430	77166	1026
13	Himachal Pradesh	10335	3801	6444	90
14	Jammu and Kashmir	56654	18678	37062	914
15	Jharkhand	64439	14118	49750	571
16	Karnataka	475265	98555	369229	7481
17	Kerala	114033	31226	82341	466
18	Ladakh	3499	938	2517	44
19	Madhya Pradesh	93053	21620	69613	1820
20	Maharashtra	1097856	292174	775273	30409
21	Manipur	8210	1745	6418	47
22	Meghalaya	4036	1818	2190	28
23	Mizoram	1480	558	922	0
24	Nagaland	5229	1269	3945	15
25	Odisha	158650	32267	125738	645
26	Puducherry	20601	4674	15522	405
27	Punjab	84482	21154	60814	2514
28	Rajasthan	105898	16761	87873	1264
29	Sikkim	2173	464	1690	19
30	Tamil Nadu	514208	46806	458900	8502
31	Telangana	162844	30401	131447	996
32	Tripura	20150	7498	12435	217
33	Uttarakhand	34407	10739	23230	438
34	Uttar Pradesh	324036	67335	252097	4604
35	West Bengal	209146	23942	181142	4062
<b>36</b>	<b>India (Total)</b>	<b>5020359</b>	<b>995933</b>	<b>3942360</b>	<b>82066</b>

**Public Health Response to COVID-19 (as on 15<sup>th</sup> September, 2020)**

Government of India has taken a series of actions to prevent, control and mitigate the impact of COVID-19. India followed a whole of Government and whole of society approach. Hon'ble Prime Minister, a High level Group of Ministers (GoM), Cabinet Secretary, Committee of Secretaries and senior officers in MoHFW continue to monitor public health response to COVID-19 in the country.

The public health actions were taken in a pre-emptive, pro-active, graded manner based on the evolving scenario. A number of travel advisories were issued restricting inflow of international travelers, till such time, commercial flights were suspended on 23<sup>rd</sup> March, 2020. Till then, a total of 14,154 flights with 15,24,266 passengers have been screened at these airports. Screening was also done at 12 major and 65 minor ports and land border crossings. In the initial part of the pandemic, India evacuated a large number of stranded passengers from then COVID affected countries (China, Italy, Iran, Japan, Malaysia) and again in the un-lockdown phase, a total of 13,18,891 passengers have been brought back (as on 14<sup>th</sup> September, 2020) and followed up.

Integrated Disease Surveillance Programme (IDSP) is conducting contact tracing through community surveillance. In the earlier part of the pandemic, this was done for travel related cases and subsequently for cases being reported from community as a part of containment strategy. As on 14<sup>th</sup> September 2020, a total of about 40 lakh persons have been kept under surveillance. There are 726 laboratories conducting COVID-19 Testing. India is testing is about 1 million samples a day. A total of 5.8 crore samples have been tested so far (as on 14<sup>th</sup> September 2020).

As on 15<sup>th</sup> September, 2020, a total of 15,360 COVID treatment facilities with 13,20,881 dedicated isolation bed without O<sub>2</sub> support have been created. Also, a total of 2,32,516 oxygen supported isolation beds and 63,194 ICU beds (including 32,409 ventilator beds). Guidelines on Clinical management of COVID-19 have been issued and are being updated regularly.

States are being supported in terms of supply of logistics. So far 1.41 Crore of PPE Kits, 3.44 crores N-95 masks, 10.84 crore tablets of Hydroxychloroquine and 30,663 ventilators and 1,02,400 oxygen cylinders have been supplied to States/UTs/ Central Government hospitals so far (as on 14<sup>th</sup> September, 2020).

Various cadres of personnel and volunteers across sectors and departments for COVID related works and maintenance of other essential medical services have been worked out, trained through resources made available on the website of MoHFW, iGOT (online platform) by DOPT (<https://igot.gov.in/igot/>).

MoHFW website is being daily to provide general public with information on current status of COVID-19 spread in India. Communication material is also being hosted on MoHFW website and through social media. A dedicated call centre / helpline (1075) has been started to guide community at large which are being used by the citizens very effectively and on a regular basis.