have been made available to researchers and industry for developing diagnostics, therapeutics and vaccines.

(c) Special international consultations and project calls with USA, Australia, Czech Republic and BRICS have been initiated by DBT and DST.
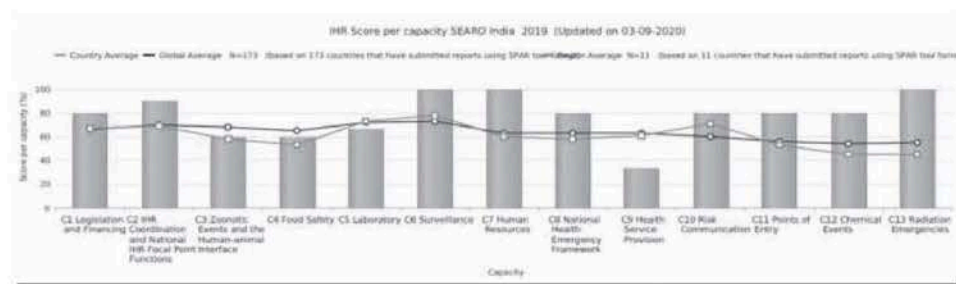
India partnering with Coalition for Epidemic Preparedness Innovations (CEPI), along with Norway. For vaccine research Indian entities are collaborating with Oxford University, UK; Medical labs in USA and Europe and Thomas Jefferson University, USA with respect to several vaccines in Indian laboratories (private or public) and hospitals.

*Statement*

**India-IHR scores based on State party annual reporting tool 2019(self assessment) as reported by WHO**



Figure 1 India IHR core capacities scores



**Airborne spread of COVID-19**

283. SHRI PRABHAKAR REDDY VEMIREDDY: Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether it is a fact that Coronavirus will also spread by air as per the WHO;

(b) whether it is also a fact that the above brief is entirely different from an earlier brief by WHO;

(c) if so, how Government looks at this and how it is going to prevent airborne spread of COVID-19;

(d)    whether India has entered into community transmission stage; and

(e)    if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRI ASHWINI KUMAR CHOUBEY): (a) and (b) According to World Health Organization (WHO), current evidence suggests that transmission of SARS-CoV-2 occurs primarily between people through direct, indirect, or close contact with infected people through infected secretions such as saliva and respiratory secretions, or through their respiratory droplets, which are expelled when an infected person coughs, sneezes, talks or sings.

Airborne transmission of the virus can occur in health care settings where specific medical procedures, called aerosol generating procedures, generate very small droplets called aerosols.

(c)    Government of India in its guidelines on rational use of Personal Protective Equipment (PPE) (issued on 24th March, 2020) has accounted for the possibility of airborne transmission in aerosol generating procedures and has recommended appropriate PPEs for all such settings.

(d) and (e) India has reported large outbreaks in certain districts indicating spread of infection in those districts. Only 10 States are currently contributing to 77% of active cases in the country. Details are placed in the Statement.

*Statement*

*List of top 10 states most contributing to active cases*

| Sl. No. | State | Total active cases |
|---|---|---|
| 1 | Maharashtra | 2,80,138 |
| 2 | Karnataka | 97,834 |
| 3 | Andhra Pradesh | 95,733 |
| 4 | Uttar Pradesh | 67,955 |
| 5 | Tamil Nadu | 47,110 |
| 6 | Chhattisgarh | 33,246 |
| 7 | Telangana | 31,607 |

| Sl. No. | State | Total active cases |
|---|---|---|
| 8 | Odisha | 30,999 |
| 9 | Assam | 29,133 |
| 10 | Kerala | 28,870 |

**Development of Corona vaccine**

284. SHRI PRABHAKAR REDDY VEMIREDDY: Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) the details of companies/institutes working for Corona vaccine in the country;

(b) the details of companies/institutes which have completed Phase-I and Phase-II trials and details of results;

(c) the details of companies whom Government has given permission to conduct Phase-III trials;

(d) by when the country can expect to get the vaccine;

(e) whether Government has studied vaccines announced by Russia and China; and

(f) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRI ASHWINI KUMAR CHOUBEY): (a) to (c) Central Drugs Standard Control Organisation (CDSCO) has granted test license permission for manufacture of COVID-19 Vaccine for preclinical test, examination and analysis to the following manufacturers in India:-

1. M/s Serum Institute of India Pvt., Ltd., Pune

2. M/s Cadila Healthcare Ltd., Ahmadabad

3. M/s Bharat Biotech International Ltd., Hyderabad

4. Biological E Ltd., Hyderabad

5. M/s Reliance Life Sciences Pvt Ltd., Mumbai

6. M/s Aurbindo Pharma Limited, Hyderabad

7. M/s Gennova Biopharmaceuticals Limited, Pune