

COVID-19 Pandemic in India and Role of Lockdown in India

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Abstract: This study aims to understand the role of corona in India. The corona disease is not only in India but the world is also suffering by this disease. Many people lost their life by this disease. Today, this study is about how the Indians are suffering from corona and lockdown and what are the effects of lockdown in India.

Keywords: COVID-19, Lockdown, Arogya setu app, Red zone, Orange zone, Green zone, Atmanirbhar Bharat.

1. Introduction

Corona virus is a group of RNA virus that causes disease in mammals and birds. In humans their viruses respiratory tract infection that can range from mild to lethal. Mild illnesses include some cases of the common cold (which is caused also by certain other viruses predominant rhinoviruses) While more lethal varieties can cause SARS, MERS and COVID -19. Symptoms in other species vary: In chicken, they cause an upper respiratory tract disease, while in cows and pigs they cause diarrhea. There are as yet no vaccines or ANTIVIRUS drugs to prevent or treat human corona virus infection.

Corona is a realm of riboviria. Corona virus constitute the subfamily Orthocoronavirinae, In the family corona viridae order nidovirales and realm Riboviria. The genome size of corona viruses range from approximately 26 to 32 Kilobases. One of the largest among RNA viruses.

Corona viruses were first discovered in the 1930s when an actual respiratory infection of domesticated chickens was shown to be caused by infectious bronchitis virus (IBV) Arthur Schalk and M.C. Hawn described in 1931 a new respiratory infection of chicken in North Dakota. In the 1940s two more animal corona viruses, mouse hepatitis virus (MHV) and Transmissible gastroenteritis virus (TGEV) were isolated. It was not realized at the time that these three different viruses were related. Human Corona viruses were discovered in the 1960s. They were isolated using two different methods in the United Kingdom and the United States. E.C. Kendall, Malcome Byone and David Turrell working at the common cold unit of the British Medical Research Council in 1960. Isolated from the bry a novel common cold virus B814.

The two novel strains B814 and 229E were subsequently imaged by electron microscopy in 1967 by Scottish virologist June Almeida at St. Thomas Hospital in London. Other corona virus since been identified including SARC - COV in 2003

HCOV NL63 in 2004. HCOV HKU1 in 2005, MERS - COV in 2012 and SARC - COV - in 2019.

People of all ages can be infected by the corona virus. Older people and people with pre-existing medical condition (such as asthma, diabetes, heart disease) appear to be more vulnerable to becoming severely ill with the virus.

The corona virus outbreak came to light on December 31, 2019 when China informed the World Health Organisation of a cluster of cases of pneumonia of an unknown cause in Wuhan city in Hubei Province. Subsequently the disease spread to more provinces in China and to the rest of the world. The WHO has now declared it a Pandemic. The virus has been named SARC COV - 2 and the disease is now called COVID - 19 (CORONA VIRUS DISEASE - 2019).

2. COVID-19 Pandemic in India

The first case of the COVID - 19 Pandemic in India was reported on 30th January 2020 originating from China. The first case of India is in Thrissur, Kerala. In India the fatality rate is 3.09 %. The COVID -19 are affected in 27 States and 7 Union Territory as on 20th May 2020.

3. Lockdown in India

On 22 March 2020, India observed a 14 - hour voluntary public curfew at the instigation of the Prime Minister Narendra Modi. The government followed it up with lockdown in 75 districts where COVID - 19 cases had occurred as well as all major cities. Further on 24th March the Prime Minister ordered a nationwide Lockdown for 21 days or 3 weeks affecting the entire 1.3 billion population of India. On 14th April, The Prime Minister extended the ongoing nationwide lockdown till 3 May. On 1st May lockdown across the country further extended by two more weeks till 17 May.

Michael Ryan, Chief Executive Director of the WHO Emergency Programme, said that India had "Tremendous Capacity " to deal with the corona virus outbreak and as the second most populous country, will have enormous impact on the world's ability to deal with it.

The Oxford COVID - 19 Government Response Tracker (OxCGRT) in its report based on data from 73 countries reports that the Indian government has responded more stringently than other countries in tracking the pandemic. On 17th May NDMA

extended the lockdown till 31st may in India.

4. Arogya Setu App

The arogya setu app is a dedicated corona virus app. This app is the first official app from the government to track the corona virus. With the help of this arogya setu app people of the country get to know about the exact situation on the corona virus. Corona track app will tell who is infected nearby and after the user: This application is available for both android and i-phone users. The authority of this app is NIC-E-GOV mobile app.

5. Zonal Classification

The government divided the entire nation into three zones - Red zone, Orange zone, Green zone. Relaxation will be allowed accordingly.

- Red zone (Hotspots) - District with high doubling rate and high number of active cases.
- Orange zone (Not-hotspots) district with fewer cases.
- Green zone - district without confirmed cases or without new cases in last 21 days.

6. Merits of Lockdown in India

A. Reduction in COVID - 19 Cases

COVID - 19 is more infectious than other corona virus such as SARS or MERS -COV but less deadly than their previous epidemics the risk of dying from the new corona virus is just about 4.4% as compared to SARS (10%) or MERS-COV (34%).

B. Environmental Benefits

COVID-19 Lockdown have led to fewer vehicles on the road and planes in the sky, resulting in cluster environment is showing amazing improvement in the pollution level.

7. Demerits of Lockdown in India

- Experts around the world are worried that the lockdown will end up causing more harm than corona virus itself.
- The student calm down has left millions of migrant workers stranded in foreign land and many are struggling to survive without a job.

- Thousands of labours were left jobless overnight in India with little money and no place to stay. Many walked or cycled hundreds of kilometers to reach their homeland.

A. The Psychological Impact of Lockdown

Besides the many Day-to-Day challenges the lockdown is taking a serious toll on the mental health people. Restriction on social interaction, inactive lifestyle, financial uncertainty, plus the fear triggered by the COVID-19 pandemic – all of these are causing tremendous psychological distress among people.

The Indian government is taking all the possible initiatives such as Arogya setu app, launching corona virus video, promoting social distancing to make the people aware of the novel corona virus.

8. Atmanirbhay Bharat COVID-19 Special Economic Package

In his address to the nation on 12th may 2020 prime minister Modi give a clarion call for “ATMANIRBHAY BHARAT ABHIYAN “OR “SELF RELIANT INDIAN MOVEMENT.”

To help mitigate ongoing COVID – 19 crises and to provide much needed boost toward achieving Atmanirbhay Bharat he announced a special economic and comprehensive package of 20 Lack crores – equivalent to 10% of India’s GDP.

Finance minister of India said that a self – reliant India will stand on five pillars viz.

1. Economic - while brings in quantum jump and not incremental change.
2. Infrastructure – which should become the identify of India.
3. System - Based on 21st century technology driven arrangements.
4. Vibrant Demography – which is our source of energy for a self – reliant India and
5. Demand - where by the strength of our demand and supply chain should be utilized to full capacity.

9. Conclusion

Near feature the corona virus cases will be increase in India and also in world. Now-a-days all countries are work for prepare a vaccine to protect the people from corona virus. Corona virus is directly or indirectly effected to the economic growth also mostly for developing country are very effected.

Table 1
Main components of Atmanirbhay Bharat Abhiyan

No.	Date	Part	Focus sector and post	Rs. (Crores)
1	13/05/2020	1	MSME , EPF , Gareeb kalyan , RERA , Credit	594550
2	14/05/2020	2	Farmers , Migrants , labour and their credit supply	310000
3	15/05/2020	3	Agriculture and Allied sector	150000
4	16/05/2020	4	Coal, minerals, Aviation, Defence, space, atomic, energy, electricity tariffs	48100
5	17/5/2020	5	Ease of doing business , Health , Education , Support To State Government	
6			Subtotal (A)	1102650
7			Earlier measures inc. PMGKP	192800
8			RBI measures	801603
9			Subtotal (B)	994403
10			Grand Total	2097053

Now India is open all business and services except in red zone. Indian government help to business and services via Atmanirbhay Bharat to stand up and stay in market. India are also plan for preparing a vaccine of Corona.

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