

AN EXPLORATORY STUDY OF ROLE OF INDIA IN VACCINE DIPLOMACY FOR COVID-19 PANDEMIC ERA

Turkish Online Journal of Qualitative Inquiry (TOJQI)
Volume 12, Issue 3, June 2021:652- 665

Research Article

An Exploratory Study Of Role Of India In Vaccine Diplomacy For Covid-19 Pandemic Era

Dr. Saroj Choudhary¹, Dr Sanjiv Singh Bhadauria², Mr Abhinav Upadhyay³, Dr Sandeep Kulshrestha⁴

Abstract

Coronavirus is spread in end of December, 2019 in Wuhan and in March, 2020 World Health Organization declared it as a pandemic. Coronavirus affect world in many ways like socially, economically and in many other. In early January, 2021 India make their vaccine and not only vaccinated their own people but also help other countries and provide vaccine to their neighbouring countries on grant and commercial basis and this will help India to make their reputation in world platform. In this paper, **Vaccine Maîtri** an initiative by India to provide vaccine to their neighbouring countries and also other needy countries and how this will enhance the image of India in world stage.

Keywords: Coronavirus; COVID-19; vaccine maîtri; vaccine; India;government; WHO.

VACCINE MATRI: A NEW WAY OF DIPLOMACY

COVID-19 is a major global public health challenge, and in many countries it has created a serious social, economic, and political crisis. The numbers involved are staggering, whether they refer to infection and death, the rate of public health measures such as travel restrictions, or the economic consequences of unemployment and public sector spending. All economies are placed in drug-induced comas, the complex public health systems have become increasingly prevalent in levels of public adherence or surprising disobedience, and health care systems and provinces are being tested by many who have never seen it.

Coronavirus or COVID-19 is an RNA virus, it is seems like typical crown shaped. In December 2019, a series of pneumonia cases of unknown cause were started in Wuhan(China). After few weeks later in January 2020, scientist discovers that this was a novel virus. On February 11th 2020, the director general of the world health organization (WHO), **Dr. Tedros Adhanom Ghebreyesus** named the disease as COVID- 19. In March 11, 2020 when the virus spread almost in 114 countries with more than 118, 000 cases and over 4000 death then the WHO declared this disease as pandemic.

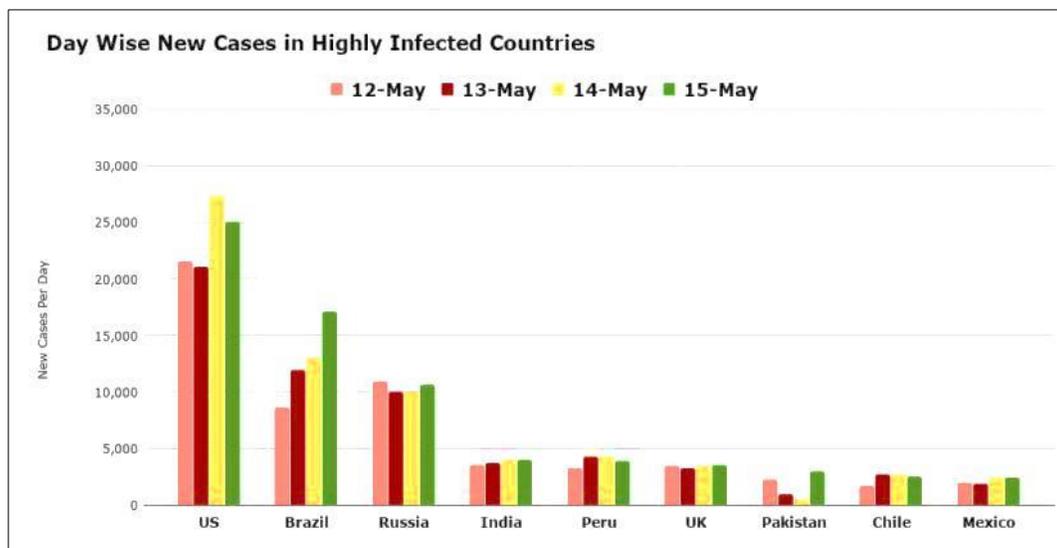
^{1,2,3,4}Amity Law School, Amity University Madhya Pradesh

ORIGIN AND ITS WIDESPREAD

Coronavirus Disease 2019 (COVID-19) was proclaimed as pandemic by the World Health Organization on **March 11th 2020** basically because of the speed and size of the transmission of the infection. The COVID 19 was first spread in **December 2019 in Wuhan city of China**. The origin and source of SARS-CoV-2 remain unknown, although the first cases were linked to the **Hunan South China Marine Market** where snakes, birds and other animals such as bats were sold. Considering that most of the first patients were active or visiting the market in contrast to the export conditions, it was suggested that it was a human transmission or a widely distributed animal source. The origin of the bat is suspected after the discovery of 96% genetic pathogenity between SARS-CoV-2 and another coronavirus called Bat-CoV-RaTG13 separated from bats that have taken the province nearly 2000 kilometers from Wuhan. Pangolins are also suggested as natural hosts for coronaviruses. However, evidence of human trafficking has been strongly supported on January 22nd, 2020 following a visit by the WHO team to the city of Wuhan.

The first confirmed case of corona outside the China on 13thJanuary 2020 in Bangkok (Thailand). On the 2ndMarch 2020, about 67 territories outside the China had reported 8565 confirmed cases of corona with 132 deaths. After this the community spread of virus was occurring in several countries including Iran and Italy so on 11thMarch 2020, WHO declared this virus as global pandemic. On the 31stMarch 2020 this virus spread among Asian as well as European countries.

After the first trial in Thailand, less than a week later, the virus spread throughout the world. By the end of January, 2020 the virus had spread to southern East Asia, Australia, Iran and the US. By the end of the march almost all major countries including India had reported corona cases. As of January 2021, the United States is the world's worst hit country with more than 10 million cases and 380,000 deaths.



In India

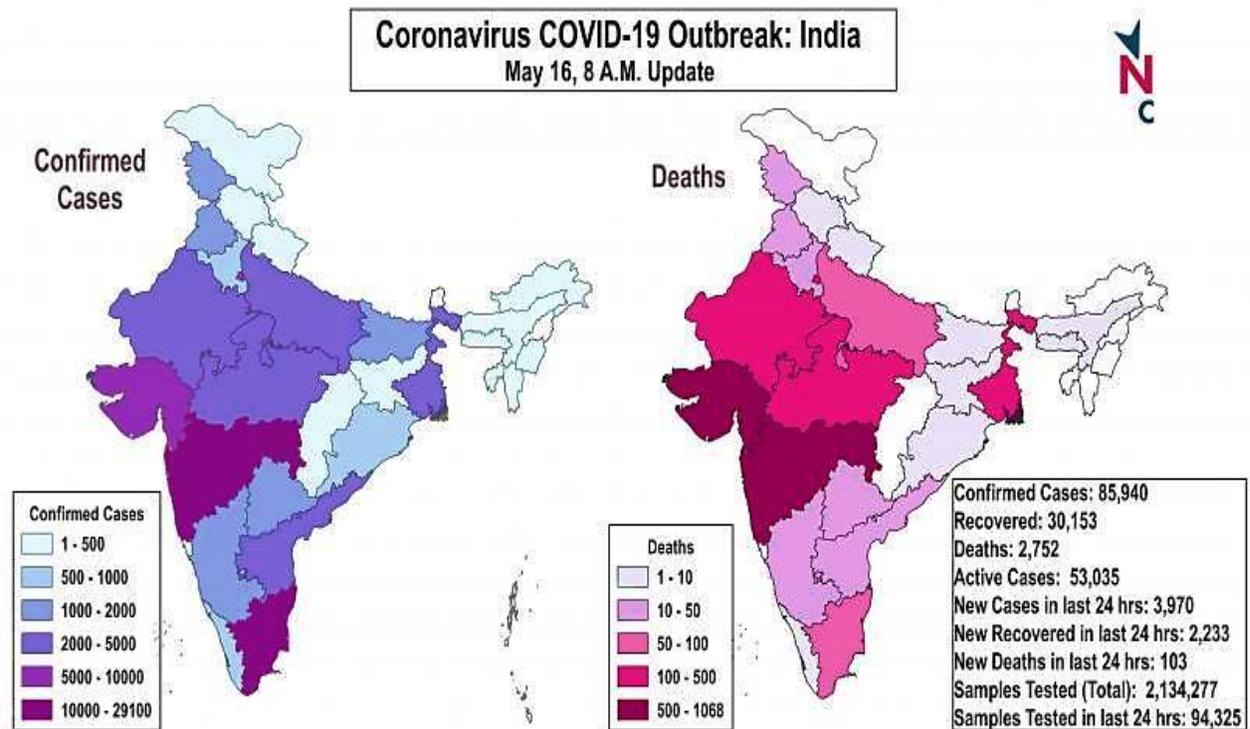
The first three cases in India were reported 30thJanuary to 3rdFebruary in Kerala. All these 3 patients were come back to India from Wuhancity of China which is the epicenter of virus.

¹<https://www.newsclick.in/covid-19-graphs-cases-recoveries-deaths>

AN EXPLORATORY STUDY OF ROLE OF INDIA IN VACCINE DIPLOMACY FOR COVID-19 PANDEMIC ERA

After this, next 2 cases were reported on 3rd March – one patient in Delhi who had travel history to Italy and the second in Hyderabad who had travelled from Dubai and in same day another case were reported in Jaipur (Rajasthan)

On 4th March the Ministry of Health and Welfare reported 23 more cases in which 15 patients were Italian tourist visiting Rajasthan along with an Indian driver hired by them and among 23 cases 6 were the Agra residents come in the contact with Delhi patient on 2nd March. On first week of March the cases were 400 so on 25th March the government announced a hard hitting national wide lockdown to prevent the spread of disease.



Source: Ministry of Health and Family Welfare & ICMR

Present Scenario

²www.statisca.com

All	Europe	North America	Asia	South America	Africa	Oceania								
#	Country, Other	Total Cases	New Cases	Total Deaths	New Deaths	Total Recovered	Active Cases	Serious, Critical	Tot Cases/ 1M pop	Deaths/ 1M pop	Total Tests	Tests/ 1M pop	Population	
	World	124,908,399	+117,110	2,748,466	+2,956	100,910,409	21,249,524	91,447	16,025	352.6				
1	USA	30,636,534		556,883		23,039,585	7,040,066	8,643	92,165	1,675	392,235,568	1,179,974	332,410,303	
2	Brazil	12,136,615		298,843		10,601,658	1,236,114	8,318	56,805	1,399	28,600,000	133,861	213,654,630	
3	India	11,734,058	+464	160,477		11,205,160	368,421	8,944	8,443	115	236,438,861	170,121	1,389,827,226	
4	Russia	4,483,471	+8,861	96,219	+401	4,098,400	288,852	2,300	30,713	659	118,100,000	809,015	145,979,943	
5	France	4,313,073		92,908		283,507	3,936,658	4,634	65,971	1,421	60,773,434	929,564	65,378,416	
6	UK	4,307,304		126,284		3,712,658	468,362	748	63,208	1,853	117,279,577	1,721,037	68,144,696	
7	Italy	3,419,616		105,879		2,753,083	560,654	3,546	56,619	1,753	47,395,288	784,727	60,397,160	
8	Spain	3,234,319		73,744		2,992,848	167,727	1,880	69,157	1,577	41,884,958	895,591	46,767,941	
9	Turkey	3,061,520		30,316		2,863,882	167,322	1,710	36,020	357	36,768,437	432,591	84,995,840	
10	Germany	2,689,205		75,708		2,445,300	168,197	3,171	32,023	902	47,578,793	566,560	83,978,444	
11	Colombia	2,347,224		62,274		2,239,936	45,014	1,982	45,777	1,215	12,343,343	240,726	51,275,398	
12	Argentina	2,261,577		54,823		2,043,957	162,797	3,591	49,709	1,205	8,433,539	185,368	45,496,119	
13	Mexico	2,203,041	+5,881	199,048	+809	1,744,262	259,731	4,798	16,958	1,532	5,931,263	45,656	129,913,193	
14	Poland	2,120,671	+29,978	50,340	+575	1,707,846	362,485	2,537	56,078	1,331	11,400,455	301,468	37,816,466	
15	Iran	1,815,712		61,951		1,555,766	197,995	3,865	21,419	731	12,221,274	144,169	84,770,256	

3

Vaccine made by India

On 3rd January Indian's top drug regulators issued emergency approval for 2 vaccines for restricted use against COVID 19. The COVID vaccine was launched on 16th January, 2021. The first group includes healthcare and frontline workers. The second group to receive COVID 19 vaccine was persons over 60 years of age as of March 1st 2021 and persons between 45 and 59 years with comorbid conditions. The third group to receive COVID 19 vaccine will be persons over 45 years of age on April 1st 2021⁴.

COVINSHIELD: On 1st January 2021, the Drug Controller General of India approved the emergency or conditional use of AstraZeneca's COVID-19 vaccine. The Oxford-AstraZeneca vaccine is being manufactured locally by the Serum Institute of India, the world's largest vaccine manufacturer. It says it is producing more than 50 million doses a month.

The vaccine is made from a weakened version of a common cold virus (known as an adenovirus) from chimpanzees. It has been modified to look more like coronavirus - although it can't cause illness⁵.

³ [Worldometers.info/coronavirus/ worldwide graph](https://www.worldometers.info/coronavirus/worldwide-graph/)

⁴ www.mohfw.gov.in

⁵ www.bbc.com

AN EXPLORATORY STUDY OF ROLE OF INDIA IN VACCINE DIPLOMACY FOR COVID-19 PANDEMIC ERA



6

COVAXIN: On 2nd January 2021, COVAXIN was approved by Drug controller general of India for its emergency and conditional uses. COVAXIN, India's indigenous COVID-19 vaccine by Bharat Biotech is developed in collaboration with the Indian Council of Medical Research (ICMR) - National Institute of Virology (NIV). The indigenous, inactivated vaccine is developed and manufactured in Bharat Biotech's BSL-3 (Bio-Safety Level 3) high containment facility.

The vaccine is developed using Whole-Virion Inactivated Vero Cell derived platform technology. Inactivated vaccines do not replicate and are therefore unlikely to revert and cause pathological effects. They contain dead virus, incapable of infecting people but still able to instruct the immune system to mount a defensive reaction against an infection⁷.



8

⁶www.seriuminstitute.com

⁷<https://www.bharatbiotech.com/>

⁸<https://www.bharatbiotech.com/>

Vaccine Matri: An initiative by India

Vaccine Matri is a compassionate initiative taken by Indian government. In this program Indian government provide made in India vaccine to other countries. This was began in India's immediate neighborhood, starting with the Maldives, Bhutan, Bangladesh, Nepal, Sri Lanka and Myanmar, Mauritius and Seychelles, and this was followed by the extended neighborhood, especially West Asia. Then India gave vaccine to smaller and vulnerable countries like African and Caribbean nations, this program was started since January 20, 2021 and as of 15 March 2021 the government of India provided about 58.64 million made in India vaccine to 70 nations.

1.1 Vaccine supplied by India

On 6th February, S. Jaishankar external affair minister of India in Amravati said that India has provided their vaccine to other countries of world. These vaccines were provided in three categories of countries.

1. The poor counties
2. Price sensitive nations
3. The nations which deal with pharmaceutical companies that make the antidotes.



According to spokesperson of ministry of external affairs Mr. Anurag Srivastava about 67.5 lakh doses of the total vaccine have been supplied as grant basis and 294.44 Lac on commercial basis. According to him, on grant or gift basis vaccine was supplied to countries such as Bangladesh, Myanmar, Nepal, Bhutan, Maldives, Mauritius, Sri Lanka, Bahrain, Oman, Afghanistan, Barbados and Dominica.

On the commercial basis the vaccines were given to Brazil, morocco, Bangladesh, Myanmar, Egypt, Algeria, South Africa, Kuwait and the UAE¹⁰.

⁹<https://timesofindia.indiatimes.com/>

**AN EXPLORATORY STUDY OF ROLE OF INDIA IN VACCINE DIPLOMACY FOR COVID-19
PANDEMIC ERA**

The vaccine is supply on three basis:

1. Grant or gift basis.
2. Commercial basis
3. **COVAX scheme**(This scheme was launched by World Health Organisation, the European commission and France in April to ensure that people in all corners of the world will get access to COVID-19 vaccines once they are available, regardless of their wealth¹¹)

This table is showing data of Made-in-India vaccine supplies so far¹².
(As on 24th march 2021 at 1800hrs)

Recipient Country	Units	Received date	Notes
 Bangladesh	90,00,000	January 25, 2021 February 22, 2021	20, 00,000 as grant assistance, 70, 00,000 as commercial supplies.
 Myanmar	37,00,000	February 11, 2021	17, 00,000 as grant assistance, 20, 00,000 as commercial supplies.
 Nepal	23,48,000	February 20, 2021 March 05, 2021	10,00,000 as grant assistance, 10,00,000 as commercial supplies, 3,48,000 as COVAX
 Bhutan	5,74,000	January 20, 2021	The start of Vaccine Maitri. 5, 50,000 as grant assistance. 24,000 as COVAX
 Maldives	2,12,000		2, 00,000 as grant assistance. 12, 000 as COVAX
 Mauritius	4,00,000	February 19, 2021	1,00,000 as grant assistance, 3,00,000 as commercial supplies
 Seychelles	50,000		As a grant assistance.
 Sri Lanka	12,64,000	February 24, 2021 March 6, 2021	5,00,000 as grant assistance 5,00,000 as commercial supplies 2,64,000 as COVAX
 Bahrain	1,00,000		As a grant assistance.
 Brazil	40,00,000		As commercial supplies.
 Morocco	70,00,000	January 22, 2021 February 11, 2021	As commercial supplies.

¹⁰www.timesofindia.com

¹¹www.gavi.org

¹²www.mea.gov.in

Recipient Country	Units	Received date	Notes
		February 24, 2021	
 Oman	1,00,000		As grant assistance.
 Egypt	50,000	January 30, 2021	As commercial supplies.
 Algeria	50,000	January 31, 2021	As commercial supplies.
 South Africa	10,00,000	January 31, 2021	As commercial supplies.
 Kuwait	2,00,000	January 31, 2021	As commercial supplies.
 United Arab Emirates	2,00,000	February 2, 2021	As commercial supplies.
 Afghanistan	9,68,000	March 6, 2021	5,00,000 as grant assistance as COVAX 4,68,000
 Barbados	1,00,000		As grant assistance.
 Mexico	8,70,000		As commercial supplies.
 Dominican Republic	50,000		30,000 as grant assistance commercial supplies 20,000 as
 Dominica	50,000		
 Saudi Arabia	30,00,000	February 14, 2021	As commercial supplies.
 El Salvador	20,000	February 15, 2021	As commercial supplies.
 Argentina	5,80,000	February 16, 2021	As commercial supplies.
 Serbia	1,50,000	February 20, 2021	As commercial supplies.
UN health workers	1,00,000	February 21, 2021	As commercial supplies.
 Mongolia	1,50,000		As grant assistance.
 Ukraine	5,00,000	February 22, 2021	As commercial supplies.
 Ghana	6,52,000	February 23, 2021 March 10, 2021	50,000 as grant assistance commercial supplies 2,000 as 6,00,000 as COVAX
 Ivory Coast	5,54,000	February 25, 2021	50,000 as grant assistance COVAX 5,04,000 as
 Saint Lucia	25,000		As grant assistance.
 Saint Kitts and Nevis	20,000		As grant assistance.
 Saint Vincent and the Grenadines	40,000		As grant assistance.

**AN EXPLORATORY STUDY OF ROLE OF INDIA IN VACCINE DIPLOMACY FOR COVID-19
PANDEMIC ERA**

Recipient Country	Units	Received date	Notes
 Suriname	50,000		As grant assistance.
 Antigua and Barbuda	40,000		As grant assistance.
 Democratic Republic of the Congo	17,66,000	March 1, 2021	50,000 as grant assistance as COVAX 17,16,000
 Angola	6,24,000	March 1, 2021	As COVAX
 Nigeria	39,24,000	March 1, 2021	As COVAX
 Cambodia	3,24,000	March 2, 2021	As COVAX
 Kenya	11,20,000	March 2, 2021	1,00,000 as grant assistance as COVAX 10,20,000
 Lesotho	36,000	March 2, 2021	As COVAX
 Rwanda	2,90,000	March 2, 2021	50,000 as grant assistance COVAX 2,40,000 as
 Senegal	3,49,000	March 2, 2021	25,000 as grant assistance COVAX 3,24,000 as
 Guatemala	2,00,000		As grant assistance
 Canada	5,00,000	March 2, 2021	Only G7 country to receive vaccines under this initiative and as commercial supplies.
 Iran	1,25,000	March 10, 2021	As commercial supplies.
 Guyana	80,000	March 7, 2021	As grant assistance.
 Benin	1,44,000	March 8, 2021	As COVAX
 Eswatini	32,000	March 11, 2021	20,000 as grant assistance COVAX 12,000 as
 Jamaica	50,000	March 9, 2021	As grant assistance.
 Bahamas	20,000	March 10, 2021	As grant assistance.
 Uzbekistan	6,60,000	March 15, 2021	As COVAX.

1.2 World reactions on Vaccine Supply

A. International organisations:

WHO: WHO Chief **Tedros Adhanom** has thanked India and its Prime Minister Narendra Modi for sharing the crucial commodity, Covid-19 vaccine, across the world in pandemic-ridden times. He also added that "**India's commitment to COVAX and sharing COVID-19 vaccine doses is**

helping more than 60 countries to start vaccinating their health workers and other priority groups”¹³

IMF: IMF chief economist **Gita Gopinath** lauded India for playing a key role during the crisis by dispatching vaccines to many countries. She said **"I also want to mention that India really stands out in terms of its vaccine policy. If you look at where exactly is one manufacturing hub for vaccines in the world - that will be India"¹⁴**

B. Countries:

Brazil: On January 22, 2021 Brazilian President **Jair M Bolsonaro** tweets on twitter to thank India with a picture of Hanuman carrying a mountain of Covid vaccine from India to Brazil. **Bolsonaro** said: **“Namaskar, Prime Minister @narendramodi, Brazil feels honoured to have a great partner to overcome a global obstacle by joining efforts. Thank you for assisting us with the vaccines exports from India to Brazil. Dhanyavaad!¹⁵”**

Jamaica: on March 9, 2021 Jamaica Prime minister **Andrew Holness** thanks India on twitter. **Andrew** said: **“I was extremely pleased to report that yesterday afternoon, we received our first shipment of 50,000 doses of the AstraZeneca vaccine donated by the Government of India. We express our deep appreciation to the Government and people of India for this very much needed support¹⁶”**

Dominica: Dominica Prime Minister **Roosevelt** said that **“being the leader of a small Caribbean island with a population of 72,000 people I did not fancy my chances of getting search swift positive response to my request of India's Prime Minister Narendra Modi”**

He also said that **“one would have thought and understood that in global pandemic such as this a nation size might have been the primary consideration but it is true the credit of Prime Minister Modi that our request was considered on merit and the quality of our people was recognised¹⁷”**

Other than that **Mauritius** Prime minister, **Pravind Kumar Jugnauth** on 24th March thanks India and shows their gratitude for helping Mauritius and provides them vaccine.

Antigua and Barbuda: In March Antigua and Barbuda also receive the vaccine and thanks India and said that; **“I would like to thank India for the wonderful contribution made to our country which is the vaccine. We thank you so much on behalf of the Antiguan and Barbudan people. We look forward, also that in the future, continued relationship. Thank**

¹³The Hindu and Times Of India

¹⁴<https://www.businesstoday.in/>

¹⁵www.hindubusinessline.com and twitter.com

¹⁶ Timesofindia.indiatimes.com

¹⁷www.hindustantimes.com

you very much Prime Minister Narendra Modi and the High Commission of India. We also thank all of the people in India for such a kind gesture”

C. Famous personalities:

Chris Gayle: On March 19, 2021 Chris Gayle tweet and thanks India for supply of vaccine. He said, “Honourable Prime Minister Modi, people of India and government of India, I want to thank you for the donation of vaccine to Jamaica. We appreciate it, thank you so much¹⁸”

Mr. Antonio Guterres: UN Chief appreciate India and said that, ““Indeed, India has been a global leader in pandemic response efforts having provided critical medicines, diagnostic kits, ventilators and personal protective equipment to more than 150 countries” He also said that, “Efforts by India in developing and manufacturing one of the two vaccines currently granted Emergency Use Listing by the World Health Organization bring a much-needed supply to the global vaccine market. I also appreciate your continued efforts to support and strengthen the COVAX Facility to ensure more equitable access¹⁹”

He further said that, “I would like to say how much we count on India. I mean, India has one of the most advanced pharmaceutical industries. India played a very important role in the production of generics for use that was a very important element of democratisation of access to medicines all over the world²⁰”

Andre Russell: Andre Russell, West Indies player thanks India and said that, "I just want to say a big, big, big thank you to Prime Minister Modi and the India High Commission. The vaccines are here and we are excited. I would love to see the world going back to normal. Jamaica people really appreciate it and just to show that we are more than close, India and Jamaica are now brothers. I appreciate it and stay safe over there²¹.”

Role of Vaccine Matriin diplomacy of India

India is producing more than 60% of all vaccine that manufactured in world. At the time of Pfizer vaccine, the head of WHO show their stress that developed countries monopolised the Pfizer vaccine for their own people and not help developing countries.

But when India makes their vaccine, India provided their vaccine to their neighbouring countries like Bhutan, Maldives, Nepal, Bangladesh and others. India gifted their vaccine to Bangladesh at that time when china refuses to give their vaccine because of cost issue.

¹⁸ @hcikingston

¹⁹ www.hindu.com

²⁰ www.hindustantimes.com

²¹ www.hindustantimes.com

India also help Nepal to give them vaccine after the request of Nepalese Foreign minister, and this happen at that time when India and Nepal have been strained relationship because of territorial issue. All this will help Indian government to expand and strengthen its outreach.

Vaccine Matri help India to polish its global image and also help in earning long term goodwill especially in south Asia where India is often criticized for its “**big brother**” behaviour. Most importantly vaccine Matri helps India to counter china’s considerable influence in south Asia, Africa and other countries also.

Both India and china supplied protective equipment’s and medicines to Asian and African countries during the epidemic time. So this vaccine diplomacy will help India to win the hearts, minds especially the developing countries.

The US state government, the WHO, Bill Gates and several other have spoken warmly and appreciate India for their selfless manner to help developing countries with the vaccines.

For this program India overshadowed China and put it on back foot. Chinese Communist party has started to spread lies about Indian vaccine that it is not effective, safe and also India has not capacity to produce vaccine in adequate number and this was happen at that time when countries like Cambodia, Nepal and Bangladesh have refused to take China’s vaccines because of quality concerns and term of supply²².

For example: China had said that, he has provided 300,000 doses of vaccine to Myanmar but not delivered yet while India quickly supplied 1.7 million vaccine to Myanmar.

India is not only providing their vaccine to poor countries but also to richer countries like United kingdom and Canada etc. which will help India to make their good reputation in developed countries. It also help India to make economically stable like some India’s immediate neighbour like South Korea, Qatar, Bahrain, Saudi Arabia, morocco and south Africa these countries shown inclination to purchase the vaccine from India and estimate 60% global supply.

This vaccine also help India to showcase their technological powers and in proving that India play major role on the world stage.

Conclusion

India needs to balance the need of vaccine between domestic use and distribution in world. S.jaishankar, said in his one interview about vaccine matri that “The world sees not just the selfless outlook of India but also of the quality of our products and capabilities...the Prime

²²www.idsa.in

AN EXPLORATORY STUDY OF ROLE OF INDIA IN VACCINE DIPLOMACY FOR COVID-19 PANDEMIC ERA

Minister's initiative of such deep friendship has raised India's standing and generated great international goodwill for us²³,"

The senior officer of ministry of external affair said that we have been able to gain the trust of African partners and project our capabilities across the continent in a way that has been missing for years now. Unlike solidarity at international summits, the goodwill being generated now will stick around for a long time²⁴

So what we have to observe that India is rapidly and selflessly provide millions of doses to needy countries at that time when it is massive requirement of vaccine in its own vaccination drive. While the world is witnessing the aggressive and threatening behavior of China on other side India show their caring and humane behavior to the world.²⁵

In the fast growing global geo-political landscape, India's supportive action to providing covinshield and covaxin vaccine to needy countries will make a huge impact in promoting peace, security, cooperation and prosperity in region of the world.

The most honorable situation for India is that there are only five countries in the world who successfully manufacture the COVID- 19 vaccine and India is one of them.

References:

1. "Vaccine Maitri: Consignment of covid vaccines airlifted for Guyana, Jamaica, Nicaragua". The Livemint Website. Retrieved 10 March 2021.
2. Jump up to:^{a b c} "Vaccine Maitri: A Sanjeevini for the world". The Hindu Business Line Website. Retrieved 10 March 2021.
3. Jump up to:^{a b c} "Ministry of External Affairs - Government of India". Ministry of External Affairs - Government of India.
4. "India Pledges Support To UN To Ensure Syria Gets Covid Vaccines". NDTV.com. Retrieved 2021-03-23.
5. "Expert panel recommends Bharat Biotech's Covaxin for restricted emergency use". News18. 2 January 2021. Retrieved 2 January 2021.
6. Prasad, R (2020-01-15). "Vaccine dilemma — to take or not to take Covaxin". The Hindu. Chennai. Retrieved 2020-01-16.
7. "Covaxin showed 81% efficacy in third phase trials, says Bharat Biotech". scroll. 3 March 2021. Retrieved 4 March 2021.
8. "COVID-19 vaccine Covishield gets approval from DCGI's expert panel". The Hindu. 1 January 2021. Retrieved 2 January 2021.
9. "AstraZeneca's COVID-19 vaccine authorised for emergency supply in the UK". AstraZeneca. AstraZeneca. 30 December 2020. Retrieved 2 January 2021.
10. Jump up to:^{a b} Bhattacharjee, Kallol (2021-01-20). "Coronavirus | India begins COVID-19 vaccine shipment for six countries". The Hindu. ISSN 0971-751X. Retrieved 2021-03-15.

²³ www.hindustantimes.com

²⁴ www.moneycontrol.com

²⁵ www.idsa.in

11. "Covid-19: Canada receives 500,000 doses of Covishield vaccine made in India". Hindustan Times. 2021-03-03. Retrieved 2021-03-15.
12. Acharya, Bhargav (2021-03-03). "UK to receive 10 million AstraZeneca COVID-19 vaccine doses from India's Serum Institute". Reuters. Retrieved 2021-03-15.
13. Das, Krishna N. (2021-01-26). "Exclusive: Saudi Arabia to get three million AstraZeneca shots in about a week from India". Reuters. Retrieved 2021-03-15.
14. "WHO-led Covax vaccine scheme agrees to new supply deal with Serum Institute of India". The Indian Express. 2021-02-03. Retrieved 2021-03-15.
15. <https://www.indiatoday.in/coronavirus-outbreak/video/vaccine-maitri-5-8-crore-made-in-india-covid-vaccine-doses-supplied-to-over-65-nations-1777871-2021-03-10>
16. Jump up to:^{a b c} "Guyana Receives 80,000 Doses Of 'Made In India' COVID-19 Vaccines Under 'Vaccine Maitri'". The Republic World Website. Retrieved 11 March 2021.
17. "50 days of vaccine diplomacy with 60 mn doses to 70 countries". The Hindu Business Line Website. Retrieved 12 March 2021.
18. "First AstraZeneca-vaccines arrive in South Africa". The Mail & Guardian. 2021-02-01. Retrieved 2021-03-20.
19. "Afghanistan Receives Consignment Of Made-In-India Covid-19 Vaccines Under Vaccine Maitri". The Republic World Website. Retrieved 11 March 2021.
20. "India Sends Domestically Produced Vaccines To Serbia: 'Buttressing Our Bond With Belgrade'". The Republic World Website. Retrieved 11 March 2021.
21. "Ghana Receives 6L Doses Of Made-in-India COVID Vaccines Under 'Vaccine Maitri' Programme". The Republic World Website. Retrieved 11 March 2021.
22. "Nigeria Receives Consignment Of 'Made In India' Covid-19 Vaccines Under 'Vaccine Maitri'". The Republic World Website. Retrieved 11 March 2021.
23. "Nigeria Receives 'Made In India' Covid-19 Vaccines Under 'Vaccine Maitri'". The Times of India Website. Retrieved 11 March 2021.
24. "Canada receives first shipment of 5 lakh COVID-19 vaccine doses from Serum Institute". Business Today Website. Retrieved 11 March 2021.
25. "Bahamas gets 20,000 doses of AstraZeneca vaccines from India". The Associate Times Website. Retrieved 12 March 2021.
26. "India 'at forefront' in fighting COVID-19; 'stands out' in vaccine policy, says IMF's Gita Gopinath". Business Today Website. Retrieved 12 March 2021.
27. Jump up to:^{a b} "African, Caribbean nations support India at WTO on COVID-19 vaccine supplies". The Hindu Website. Retrieved 10 March 2021.
28. "India's 'Vaccine Maitri' initiative earns praise at WTO". The Hindu Business Line Website. Retrieved 10 March 2021.
29. <https://www.ndtv.com/india-news/barbados-prime-minister-thanks-pm-modi-for-supply-of-covid-vaccines-2383811>
30. <https://www.republicworld.com/india-news/general-news/pm-modi-billboards-seen-across-toronto-as-canada-thanks-india-for-swift-vaccine-supply.html>
31. "Top Cambodian leaders receive 1st shot of India-made Covid-19 vaccine". Business Standard Website. Retrieved 11 March 2021.
32. "Nepal PM KP Sharma Oli receives shot of India-made Covishield Covid vaccine". India Today Website. Retrieved 11 March 2021.
33. www.wsf.com