

## Appendix 'A'

Post Lockdown Operational Aviation Medicine Guidelines for those working in Civil Aviation Sector under threat from Novel Coronavirus Disease 2019 (COVID 19): Document (Pankaj 2020 V1 created on 16<sup>th</sup> April 2020)

## **When Would we start flying? A presumptive Timeline**

**analysis.** (A personal communication with Capt Abhay on 28<sup>th</sup> March 2020)

By

Dr Pankaj Tyagi

DGCA Medical Examiner 001

Good evening Abhay,

You asked me a good question today, which many of us are asking, but are unable to reach the answers, as no one can predict the consequence of first time event. Let me try to answer for you.

I was asked today on 28th March 2020

"When in my opinion would we get over the crisis? When would we start flying? Here are my thoughts. Give or take one or two weeks for the predicted timelines. Make your own evidence-based opinions and not on what I think. At the least I can try, while clearly not being in the corridors of power, in real time :

The answer lies in 'going by experience and the resources available in India, what, I would have done, if I was the prime minister' :

1. This pandemic like all pandemics when they started for the first time, is till date in the unknown zone.
2. I would buy time to get ready for the worse.
3. Three weeks lockdown + prewarning period, when I was bringing in my people from abroad, gave me seven weeks' time for my team to manage media, inform Indians of what is in store and get ready for the worse.
4. With this time given by the national lockdown, reasonable number of Kits, Ventilators, PPEs, drugs, beds would get created by 10th April 2020.
5. Movement into and out of districts will stabilise and reach zero levels by 10th April 2020.
6. I will start proactive testing from 10th April at district level across the country.
7. Increase in positive cases will occur and peak by 20th April 2020. Isolation of positive cases and quarantine of all will continue.
8. Drop in new cases will start, while deaths will increase from end April 2020
9. Till April end to mid-May worse would be over.
10. Wherever, data start showing zero cases and remain so for 10 days, local area opening will start, around mid-May 2020.
11. Wherever, cities reach "zero new cases figure", movement and economic activity will get permitted. Lockdown will continue in pockets wherever positivity remains.
12. Surface transports will open in pockets with all precautions of minimum contact amongst people by end May 2020.
13. Domestic air movement will start within cities which are 'new case free' by mid to end May 2020.
14. By Jun 2020 successful treatment would be found. Commercial vaccine for the rich will come out by Jun - July 2020. This would be fastest reach to vaccine in the history.
15. Vaccinations, all across would start around mid-August.

16. Deaths will reach NIL mark by October 2020.
17. Herd immunity in India will occur by October November 2020.
18. Threat of COVID 19 be over by mid December 2020.
19. World will watch for new infections, real time with proactive, covert or overt intelligence. Districts will be divided into clusters, that can be clamped at a notice of few hours. Anti-Bio-terror official teams would be created at local levels.
20. World would be now ready, to take on life threatening mass infections, better.
21. India will come out stronger with minimum damage like rest of the world. World of terrorism, as it exists today will change.
22. China will be balkanised by 2022.

Dr Pankaj Tyagi  
28 March 2020  
[pankaj@samecsplus.com](mailto:pankaj@samecsplus.com)  
[www.samecsplus.com](http://www.samecsplus.com)

Further to this question was asked, why I think China would be balkanised?

Further to my analysis of timelines of present crisis my friend, 'Frank' asked on 29 Mar 2020:

Sir that was a wonderful piece of commentary on Covid19 based on empirical evidences. A very logical and analytical assessment on the waning of the effects of the virus.  
Sir how do you come to the conclusion of the Balkanisation of China. Further more how would the world view China post the China virus and also the role of the chief of WHO in masking the catastrophe to the rest of the world during the golden hour.

My reply (29 March 2020):

Thanks Frank

Historically, when things are suppressed from a large population like in China, it becomes a recipe for change of government immediately after the disaster is over. When truth starts coming out slowly, by word of mouth, by its own people, the reaction is very strong, against the current dispensation, in this case the dictatorial communist party, which would be held responsible for everything. Overthrow of such a governance body, results in separation of regions from mainstream, that were over-suppressed. A new leadership then emerges, to either take control of things as Putin did for Russia or chaos will lead to smaller democratic areas. In the present case a huge investigation and media war will occur post recovery. And you know who will be blamed, whether right or wrong "China". Chinese Communist party is going to face the brunt. COVID 19 is a disaster for China, similar to what Chernobyl was to Soviet Union. Post Chernobyl, the union got balkanised and rise of Putin started. Hats off to him; he brought Russia from economic disaster (when Russian Rubel was thrown on streets, as it had devalued so much, when long lines were seen for a piece of bread) to where it is today. That is the basis on why I made the comment on China.