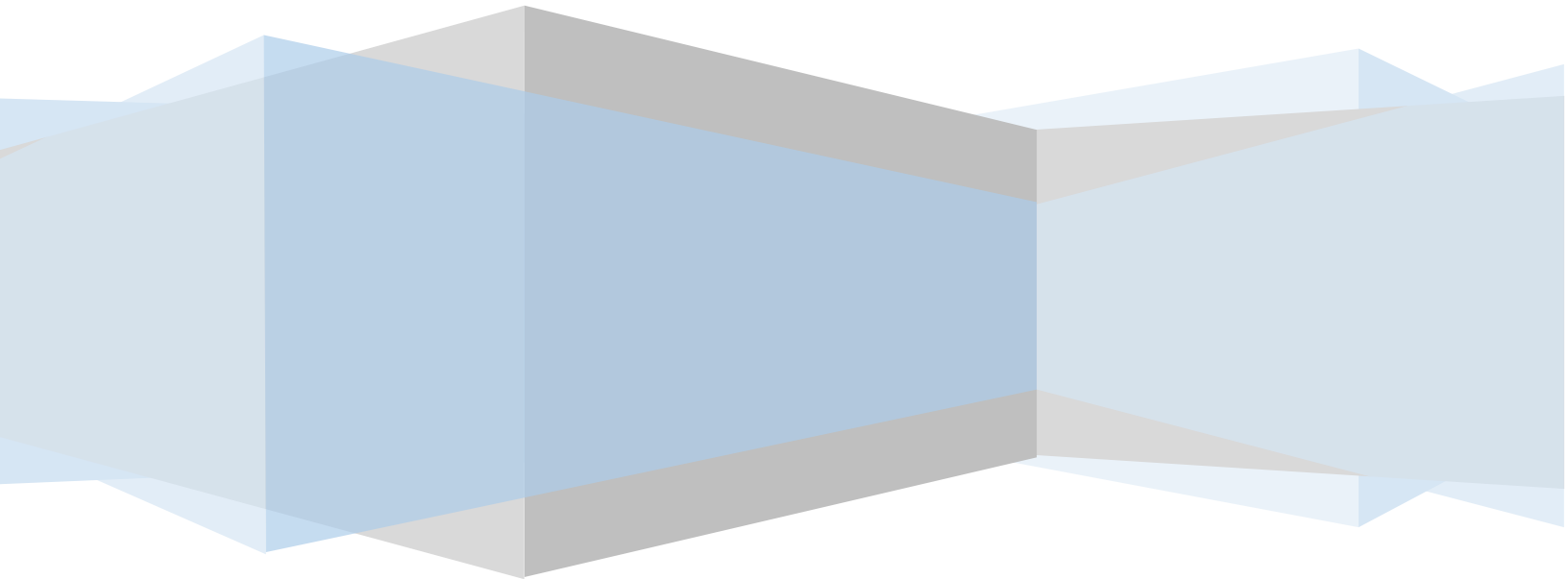


POST OPERATIONS ANALYSIS REPORT

April, 2020

CENTRAL COMMAND CENTER, C-ATFM, DELHI







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Monthly Post Operations Analysis

A. Introduction

Analysis Period 1st – 30th Apr'20

Back Ground Due to Government of India's initiative to prevent further spread of Covid-19 virus, a total ban was applied to all domestic & international commercial flight operations to and from India. Only Flights engaged in Cargo ,humanitarian aids, medical supplies and relief purposes were allowed to operate with prior approval of DGCA. During the above mentioned period, **no ATFM Measures** were applied as traffic volume took a plunge amidst COVID-19 pandemic.

Central Command Centre, the ATFM nodal office, is also operating with restricted working hours from 0930 IST to 1800 IST.



Annexure A: Traffic at Indian Airports amidst COVID-19 Scare

Introduction

Declaration of COVID-19 as a pandemic has severely impacted the aviation Industry. India initially started with the issue of travel advisory suggesting against non-essential travel and subsequently followed it up with an outright ban on flights to restrict the spread of the virus. The unfolding of unexpected events like trip cancellations, country-specific restrictions on international flights and finally total embargo on flight operations, has resulted into drastic reduction of Air Traffic movements at Indian airports.

Traffic in Indian Airspace decreased significantly owing to governments initiative to curtail the spread of COVID-19 virus and suspending all domestic and international movements to/from India till 1829 UTC of 03rd May'20 vide NOTAM no. G0210/20, G0211/20, G0235/20 and G0236/20. The restriction is now extended to **1829 UTC of 17th May'20** vide NOTAM no. **G0255/20** and **G0256/20**.

Current NOTAMs:

NOTAM G0255/20

(G0255/20 NOTAMR G0235/20

Q) VIXX/QXXXX/IV/NBO/W/000/999/

A) VIDF VABF VECF VOMF

B) 2005020957 C) 2005171829

E) COVID-19: IN EXERCISE OF THE POWERS CONFERRED BY SUB SECTION (1) OF SECTION 8B OF AIRCRAFT ACT 1934 (XXII OF 1934), THE CENTRAL GOVERNMENT HEREBY DIRECTS THAT:

1. THE OPERATION OF ALL SCHEDULED DOMESTIC FLIGHTS (EXCEPT ALL-CARGO FLIGHTS) BY ANY AIRCRAFT OPERATOR HOLDING AN AIR OPERATOR CERTIFICATE ISSUED BY DGCA-INDIA CEASES WITH EFFECT FROM 1829 UTC ON 24 MAR 2020.
2. THE OPERATION OF FLIGHTS BY THE HOLDERS OF NON SCHEDULED OPERATOR PERMIT (EXCEPT ALL-CARGO FLIGHTS, OFF-SHORE HELICOPTER OPERATIONS, MEDICAL EVACUATION FLIGHTS OR FLIGHT SPECIFICALLY APPROVED BY DGCA-INDIA) AND FLIGHTS BY PRIVATE AIRCRAFT OPERATORS ALSO CEASES WITH EFFECT FROM 1829 UTC ON 24 MAR 2020.
3. THE ABOVE RESTRICTIONS SHALL NOT APPLY TO AIRCRAFT/HELICOPTER(S) BELONGING TO OR BEING OPERATED ON BEHALF OF STATE/UT GOVERNMENTS.
4. ALL AIRPORTS SHALL CONTINUE TO FUNCTION FOR HANDLING THE PERMITTED FLIGHT OPERATIONS.
5. THE ABOVE INSTRUCTIONS SHALL REMAIN IN FORCE TILL 1829 UTC ON 17 MAY 2020.)



NOTAM G0256/20

(G0256/20 NOTAMR G0236/20

Q) VIXX/QXXXX/IV/NBO/W/000/999/

A) VIDF VABF VECF VOMF

B) 2005021004 C) 2005171829

E) COVID-19: IN ORDER TO RESTRICT THE SPREAD OF COVID-19 (NOVEL CORONA VIRUS 2019) DISEASE IN INDIA, FOLLOWING RESTRICTIONS ARE IMPOSED ON ALL SCHEDULED INDIAN AND FOREIGN AIRLINES ENGAGED IN INTERNATIONAL AIR TRANSPORTATION TO/FROM INDIA:

1. NO SCHEDULED INTERNATIONAL COMMERCIAL PASSENGER AIRCRAFT SHALL TAKE OFF FROM ANY FOREIGN AIRPORT FOR ANY AIRPORT IN INDIA AFTER 0001 UTC OF 22 MAR 2020 TILL 1829 UTC OF 17 MAY 2020.

2. THESE INSTRUCTIONS ARE IN ADDITION TO THE TRAVEL RESTRICTIONS/ ADVISORIES ALREADY ISSUED AND UNDER IMPLEMENTATION.

3. THE RESTRICTIONS DO NOT APPLY TO ACFT OPERATED IN THE FOLLOWING CIRCUMSTANCES:

- AIRCRAFT IN A STATE OF EMERGENCY
- AT ALTERNATE AERODROMES IDENTIFIED IN A FLT PLAN (INCLUDING THOSE FOR EDTO)
- CARGO FLIGHTS
- TECHNICAL LANDINGS WHERE PASSENGERS DO NOT DISEMBARK

4. OPERATIONS RELATED TO HUMANITARIAN AID, MEDICAL SUPPLIES OR RELIEF FLIGHTS WILL NEED APPROVAL FROM DIRECTOR GENERAL OF CIVIL AVIATION, INDIA. THIS WILL REQUIRE COORDINATION BETWEEN THE DIPLOMATIC REPRESENTATIVES FROM CONCERNED COUNTRY IN INDIA AND THE MINISTRY OF CIVIL AVIATION.

5. THE ABOVE ARE TEMPORARY MEASURES TO RESTRICT THE SPREAD OF COVID-19, AND ARE SUBJECT TO REVIEW BY GOVERNMENT.

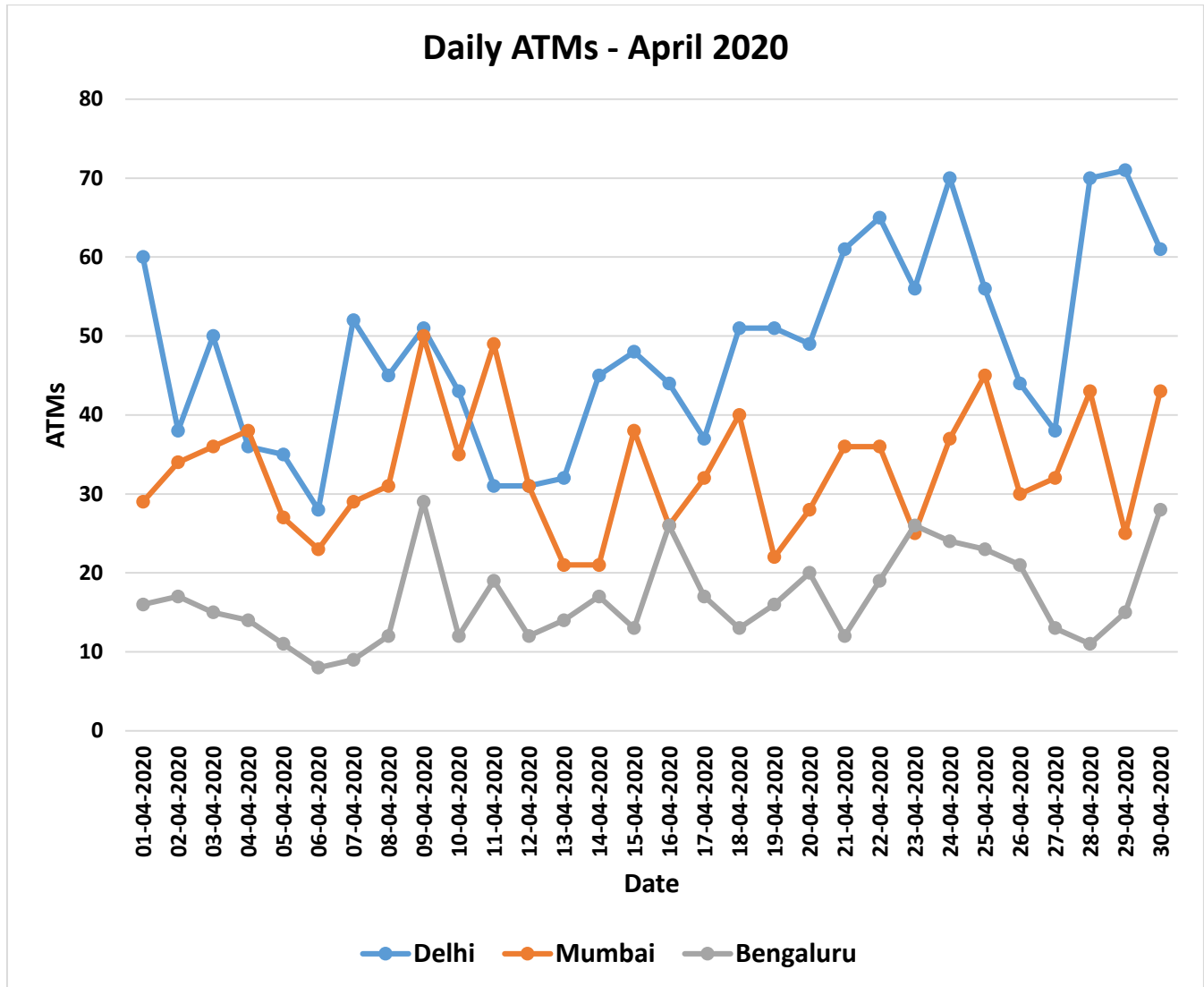
6. OVERFLYING FLIGHTS TO OPERATE WITH DUE PERMISSION AS PER PROCEDURES ALREADY IN PLACE.)



TRAFFIC ANALYSIS

Traffic continued to plummet in all the Airports in India. The total movements at three major Indian Airports Delhi, Mumbai and Bengaluru is plotted for each day of the month of April'20. The data is collected from SKYFLOW system.

A. Daily ATM at three major airports in the month of April 2020





B. Comparison of total ATMs (YoY) at three major airports:

The graph below depicts the comparison of total ATMs in the month of April'20 w.r.t. total ATMs in April'19 for three major Airports in India. The traffic handled in April'20 at Delhi and Mumbai is just 4% of the traffic handled in April'19 whereas the traffic handled in Bengaluru for April'20 is 2.6% of the traffic handled in April'19.

