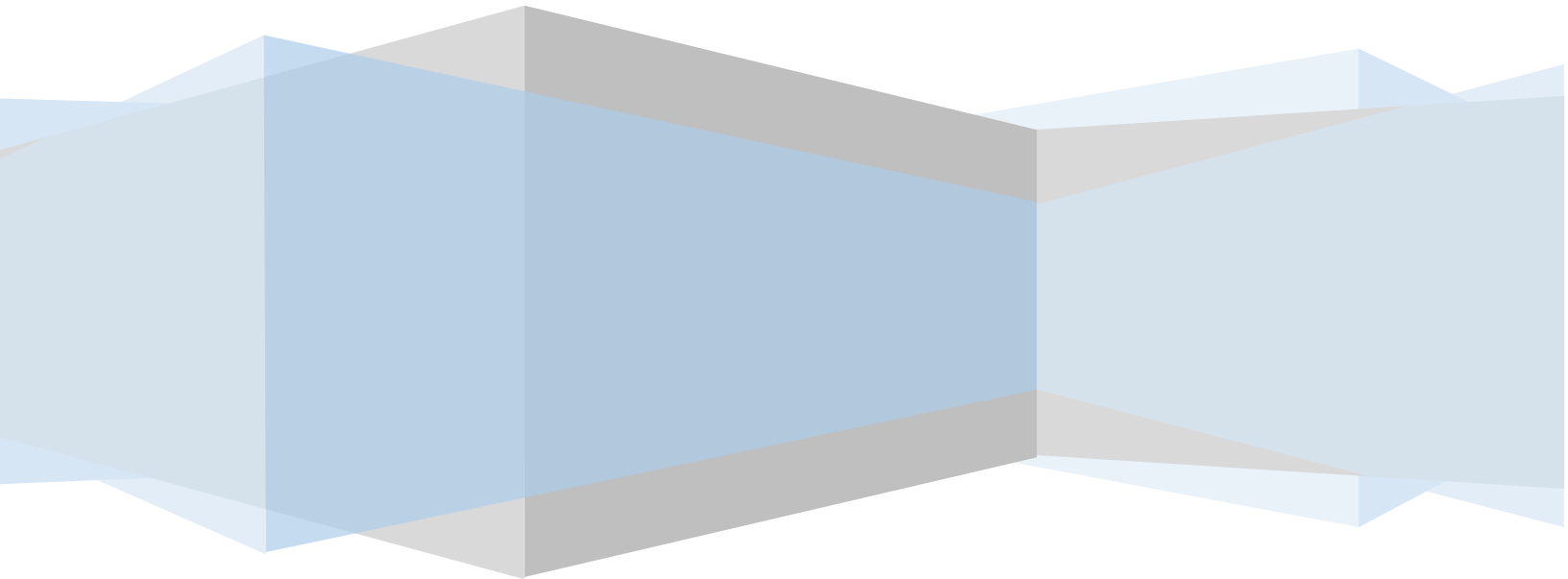


POST OPERATIONS ANALYSIS REPORT

May, 2020

CENTRAL COMMAND CENTER, C-ATFM, DELHI







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Monthly Post Operations Analysis

A. Introduction

Analysis Period 1st – 31st May'20

Back Ground Due to Government of India's restriction to prevent the spread of Covid-19 virus, a total ban was applied to all domestic & international commercial flight operations to and from India till 1829 UTC of 31st May'20. Only Flights engaged in Cargo, humanitarian aids, medical supplies and relief purposes were allowed to operate with prior approval of DGCA.

However, Domestic flight operations resumed from 1830 UTC of 24th May'20 whereas the international flight movements remain suspended till 1829 UTC of 30th June'20. During the above mentioned period, **no ATFM Measures** were applied as no Demand Capacity imbalance was observed at any Airport in India.

Central Command Centre, the ATFM nodal office, resumed 24/7 operations from 24th May'20.



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

Introduction

COVID-19 has created an unprecedented global challenge, particularly to the aviation industry. The quick spread of the virus has caused governments to rapidly restrict travel and close borders to contain the spread. This had a drastic and detrimental effect on aviation worldwide. India also 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 in a drastic reduction of Air Traffic movements at Indian airports.

Domestic Flight operations resumed in a calibrated manner from 1830 UTC of 24th May'20 (NOTAM G0274/20 replacing NOTAM G0271/20) whereas international flight operations to/from India remain suspended till 1829 UTC of 30th June'20 (NOTAM G0279/20 replacing NOTAM G0270/20)

Current NOTAMs:

G0274/20 and G0279/20

(G0274/20 NOTAMR G0271/20)

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

A) VIDF VABF VECF VOMF B) 2005211125 C) 2005241829

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 24 MAY 2020.)



(G0279/20 NOTAMR G0270/20

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

A) VIDF VABF VECF VOMF B) 2005310619 C) 2006301829

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 30 JUN 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.)

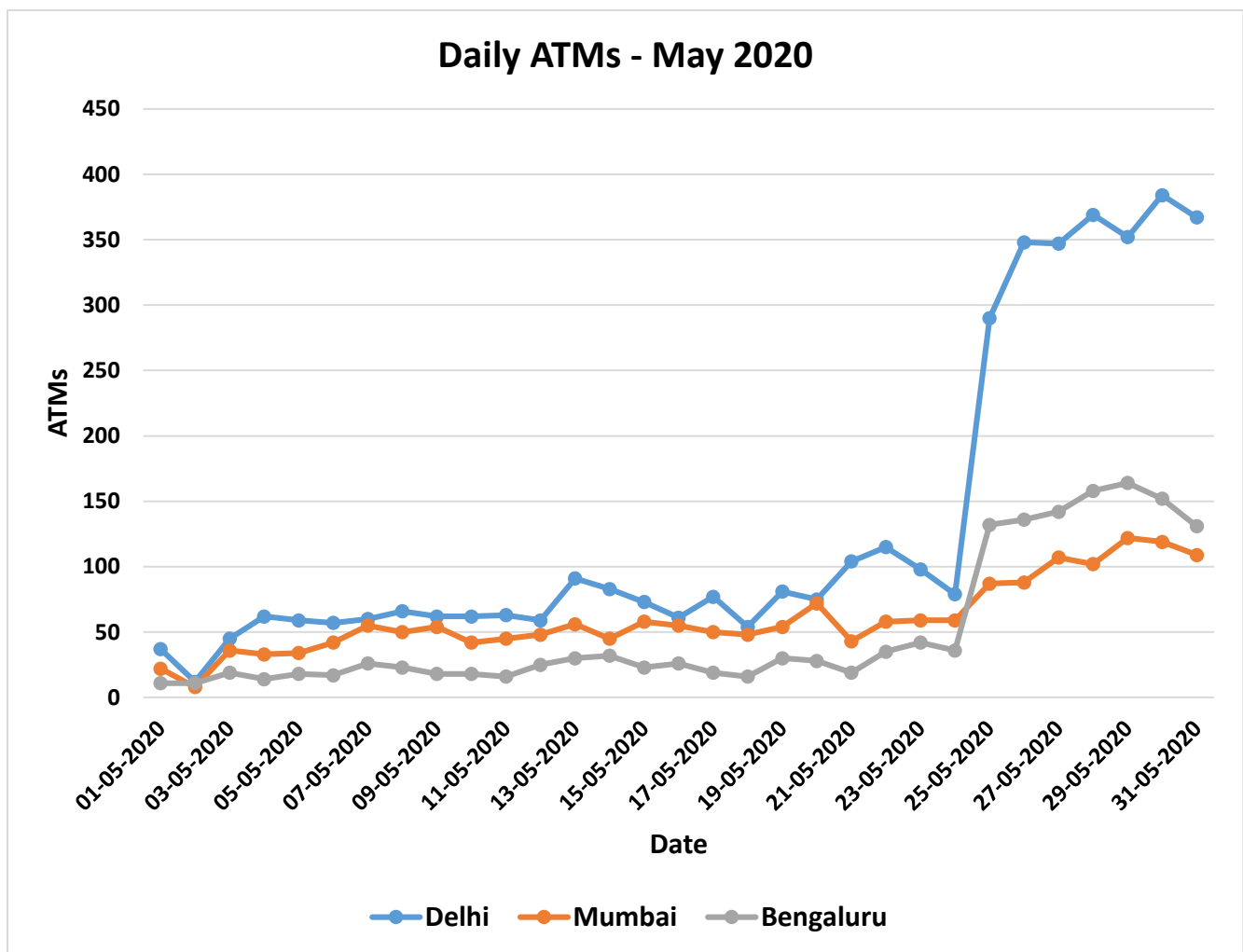


TRAFFIC ANALYSIS

Air Traffic movement in the country is picking up the pace owing to the Government’s decision to resume Domestic flight operations. Domestic services in India were suspended in March due to the coronavirus lockdown and resumed on May 25. Airports in West Bengal, Andhra Pradesh, Maharashtra, Telangana and Tamil Nadu have been allowed to handle a restricted number of daily flights as these states do not want a huge influx of flyers amid the rising number of COVID-19 cases.

The total movements at three major Indian Airports Delhi, Mumbai and Bengaluru are plotted for each day of the month of May’20. The data is collected from SKYFLOW system.

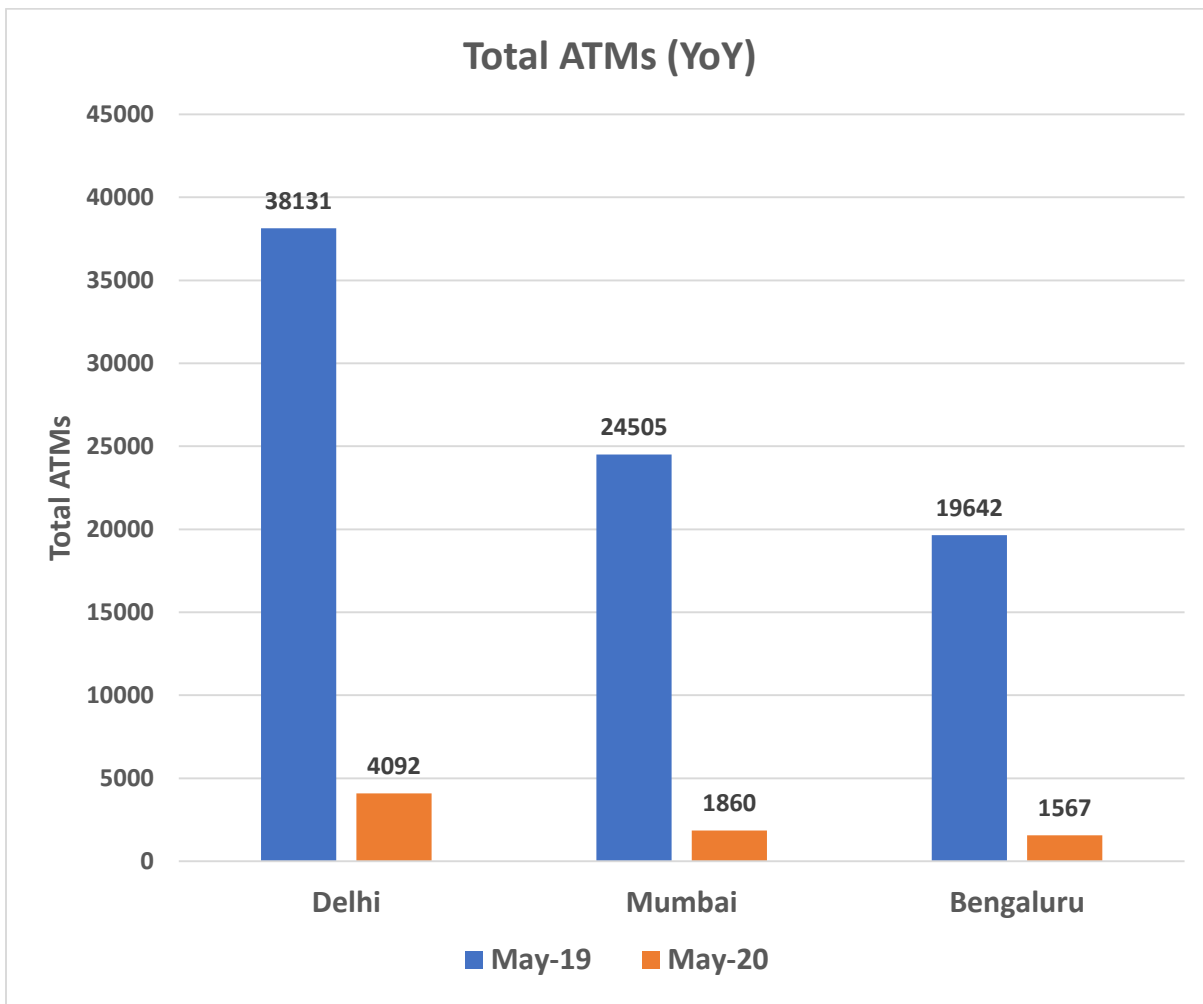
A. Daily ATM at three major airports in the month of May 2020





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

The graph below depicts the comparison of total ATMs in the month of May'20 w.r.t. total ATMs in May'19 for three major Airports in India. The traffic handled in May'20 at Delhi is about 11% of the traffic handled in May'19 whereas the traffic handled in Mumbai and Bengaluru for May'20 is 8% of the traffic handled in May'19.





The graph below presents the month-wise air traffic movement in the year 2020, at 3 major Airports.

