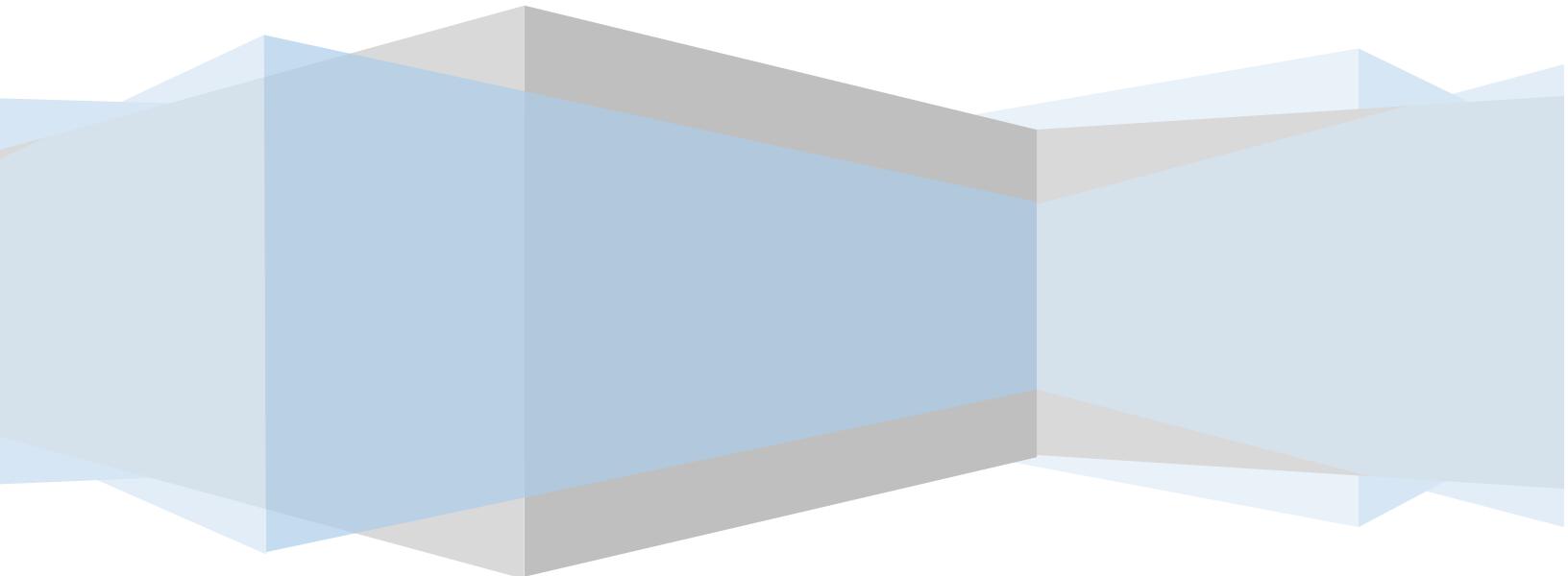


POST OPERATIONS ANALYSIS REPORT

July, 2020

CENTRAL COMMAND CENTER, C-ATFM, DELHI







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Monthly Post Operations Analysis

A. Introduction

Analysis Period 1st – 31st July'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 from 0001 UTC of 22nd March'20. Only Flights engaged in Cargo, humanitarian aids, medical supplies and relief purposes were allowed to operate with prior approval of DGCA.

Domestic flight operations resumed from 1830 UTC of 24th May'20. Government of India has now allowed airlines to operate up to 45 percent of their summer schedule whereas the scheduled international flight movements remain suspended till 1829 UTC of 31st August'20. India has established individual bilateral bubbles with France and the US which allowed airlines of either country to operate international flights. Air France operated several flights between Delhi, Mumbai, Bengaluru and Paris and United Airlines operated flights between India and the US from July 17th 2020.

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 calibrated manner from 1830 UTC of 24th May'20(NOTAM G0274/20 replacing NOTAM G0271/20) whereas international flight operations to/from India remains suspended till 1829 UTC of 31st Aug20(NOTAM (G0403/20 NOTAM replacing NOTAM G0360/20)

Demand is lower than expected largely due to the confusion and uncertainty at the state level regarding resumption, quarantine rules and continuing escalation in the infections. The COVID-19 pandemic has led to a massive disruption to flight operations, with numerous airport restrictions.

Current NOTAMs: [G403/20](#)

(G0403/20 NOTAMR G0360/20

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

A) VIDF VABF VECF VOMF B) 2007311015 C) 2008311829

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 31 AUG 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.)

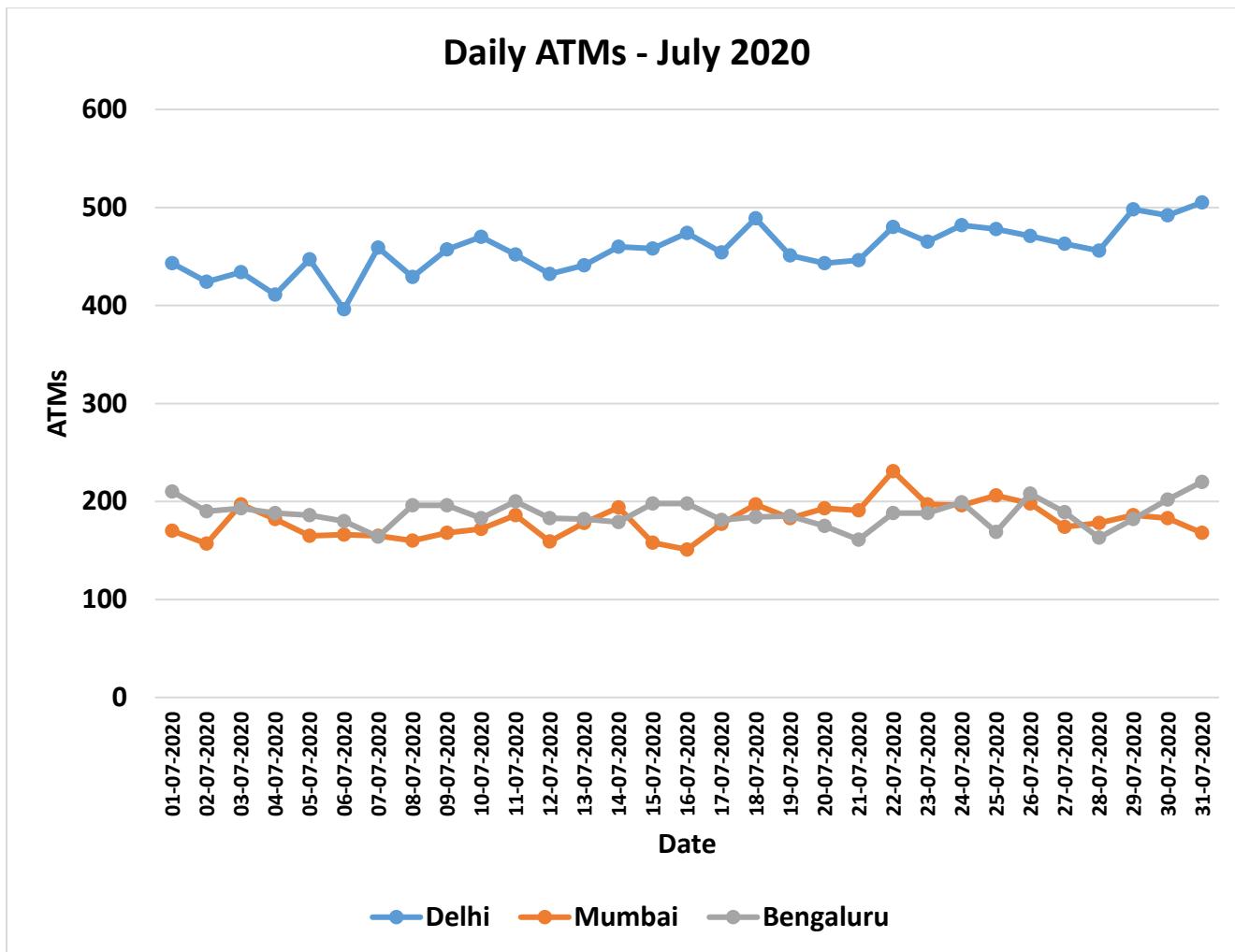
TRAFFIC ANALYSIS

Domestic flight services have resumed in India on May 25, after about two months of suspension due to the coronavirus disease (COVID-19)-necessitated nationwide lockdown. 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 number of ATMs at Indian Airports in **July'20 (during Covid pandemic)w.r.t. Dec'19(Pre -Covid)** is 29.3%.

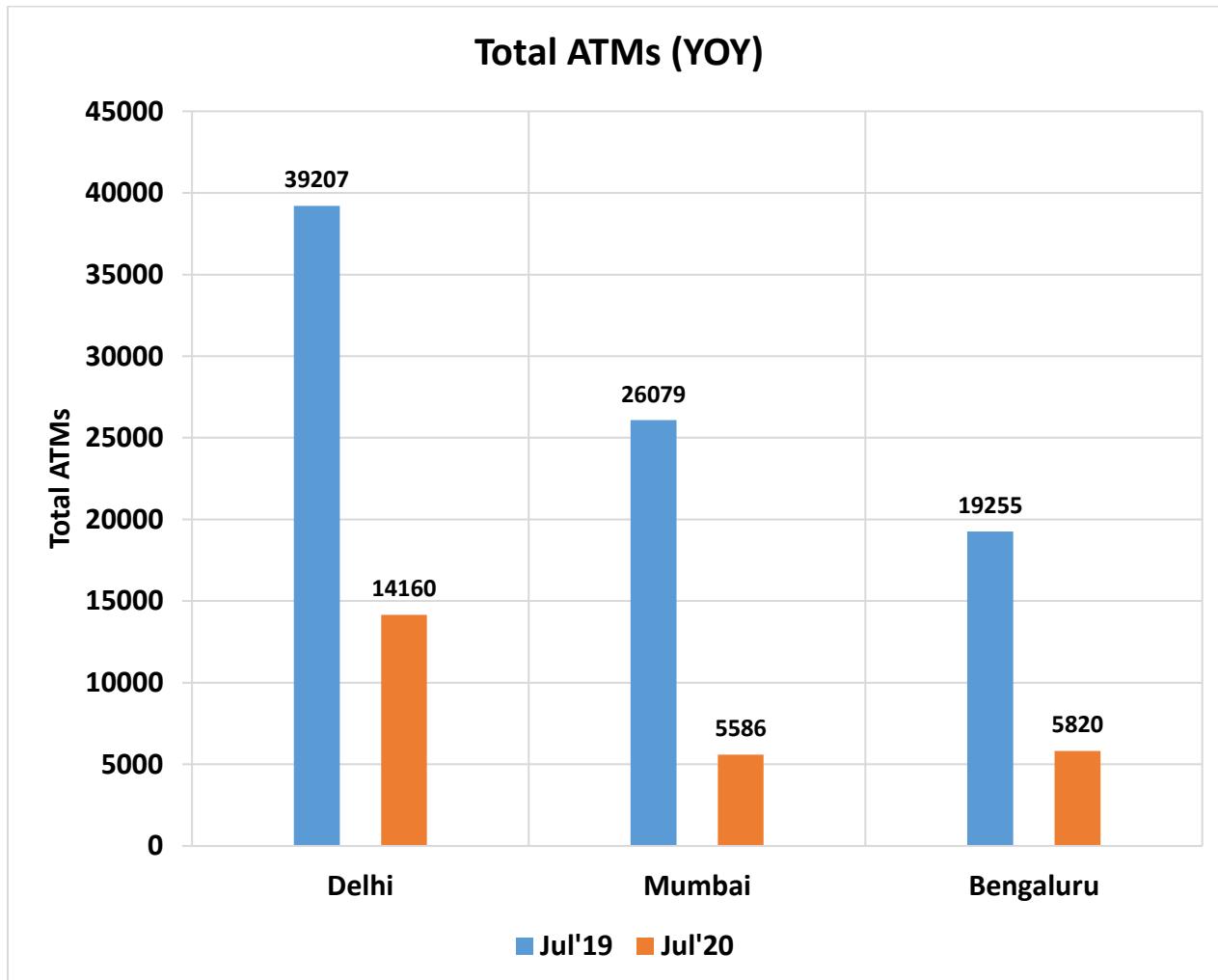
The total Air traffic movements including Passenger and Combination other flights i.e. All-Cargo flights, International scheduled, International non-scheduled, Domestic scheduled, Domestic non-scheduled, Air taxi & commercial business flights and all other aircraft movements at three major Indian Airports namely Delhi, Mumbai and Bengaluru are plotted for each day of the month of July'20. The data is collected from SKYFLOW system and movement data received from Delhi and Bengaluru Airport.

I. Daily ATMs at three major airports in the month of July 2020



II. 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 July'20 in comparison to the total ATMs in July'19 for three major Airports in India. The traffic handled in July'20 at Delhi is about 36% of the traffic handled in July'19 whereas the traffic handled in Mumbai and Bengaluru are 21% and 30% respectively of the traffic handled in July'19.



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

