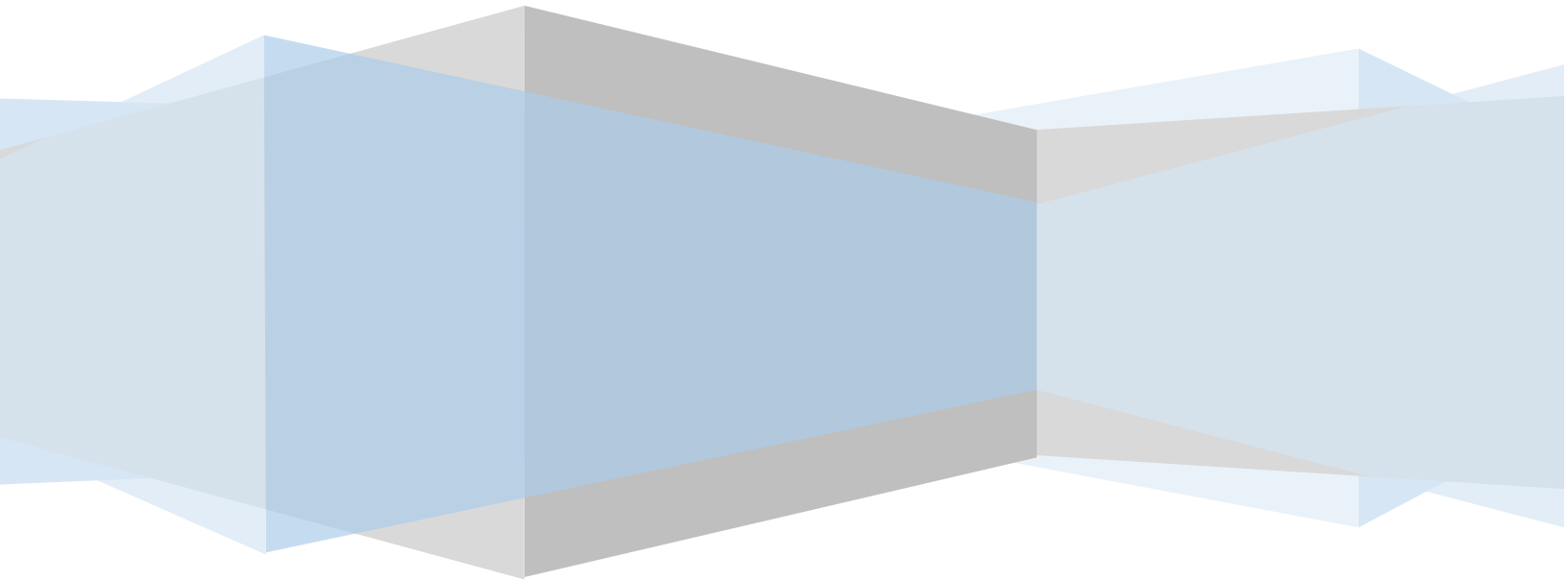


POST OPERATIONS ANALYSIS REPORT

February, 2022

CENTRAL COMMAND CENTER, C-ATFM, DELHI







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A. Executive Summary

The downward trajectory of Covid-19 infections in India prompted the states to review and amend the existing covid-19 related restrictions by mid week of February 2022. The daily average air traffic movement saw a slight increase at Delhi and Mumbai Airport as compared to the previous month.

The coronavirus induced suspension of scheduled commercial international passenger flights has been extended till 31st March'22. .But special international flights have been operating under the Vande Bharat Mission since May 2020 and under bilateral "air bubble" arrangements with selected countries since July 2020. Under an air bubble pact between two countries, special international flights can be operated by their airlines between their territories.

Russia’s full fledged invasion of Ukraine on 24th Feb’22 further aggravated the existing international Air traffic situation in India with several International Airlines overflying the Russian Airspace either cancelling there existing schedules or taking longer routes in order to avoid the Airspace all together. Government of India has initiated the “Operation Ganga” to provide evacuation and humanitarian assistance to Indian citizens who have crossed over to neighboring countries amidst the Russian invasion of Ukraine.

On average, the Indian Airports in the ATFCM area saw 3060 IFR flights per day. The peak day was on 24th Feb’22 (3594 IFR flights). Thursday’s were the busiest days throughout this month with an average of 3170 flights per day. Major Airports -Delhi, Mumbai, Bengaluru, Kolkata, Chennai and Hyderabad recorded average daily movements 77%,71%, 64%,61%,54% and 62% of January 2019 levels.

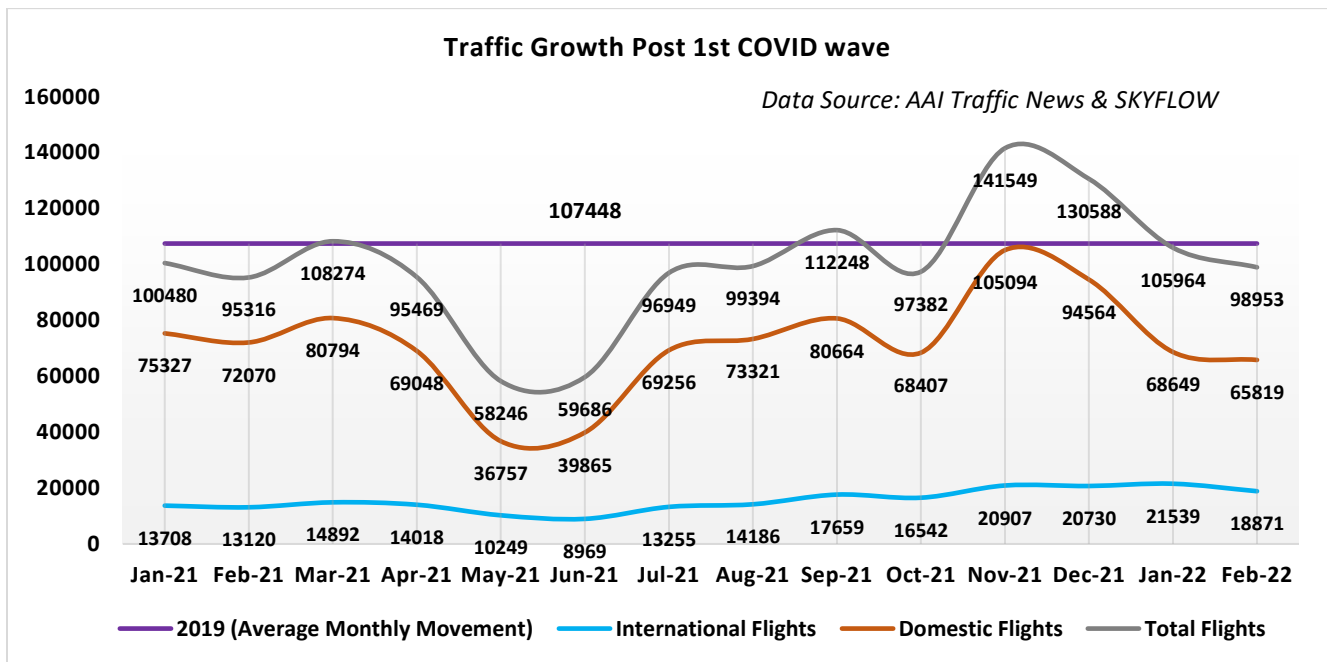


Figure 1: Traffic Growth Post 1st COVID wave



The graph above depicts the Domestic and international Air traffic in Indian ATFCM Area during the last 13 months (Jan’ 2021 to Feb’2022). The traffic demand is visibly impacted by the Covid-19 infections through out the period.

B. Traffic Analysis

I. Air Traffic Movement at 4 Major Airports in India

Air Traffic Movement for each day of the month of February’22 is plotted for Delhi, Mumbai, Bengaluru and Hyderabad Airport along with the percentage change w.r.t. movement on 1st February’22.

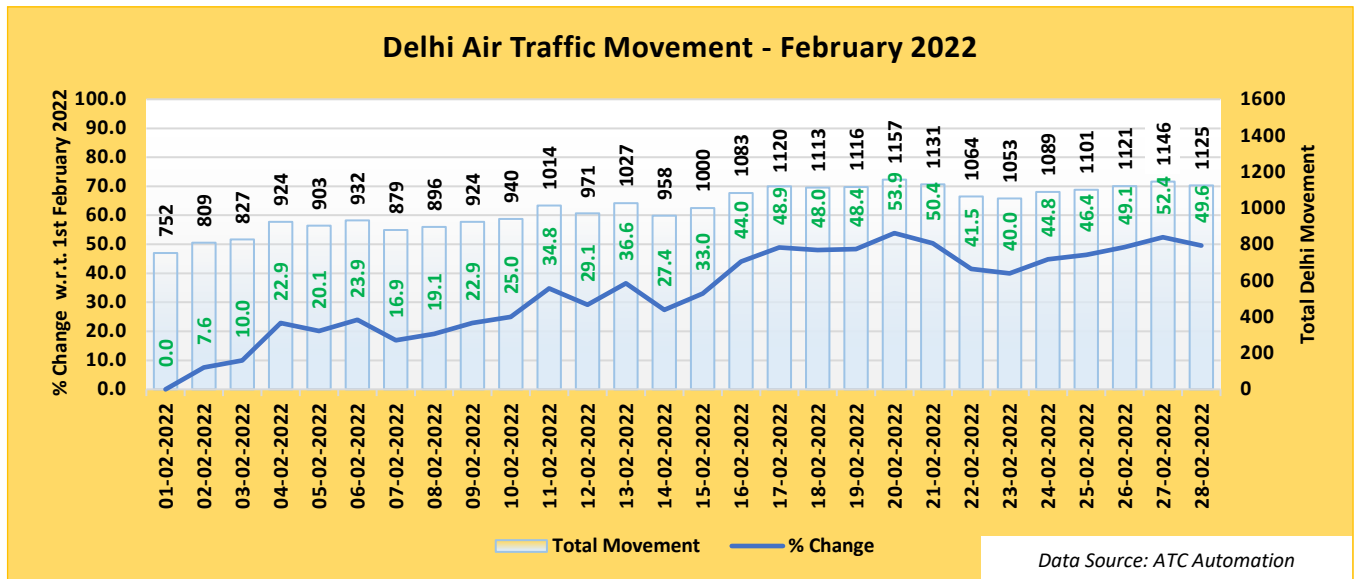


Figure 2: Air Traffic Movement for Delhi – February 2022

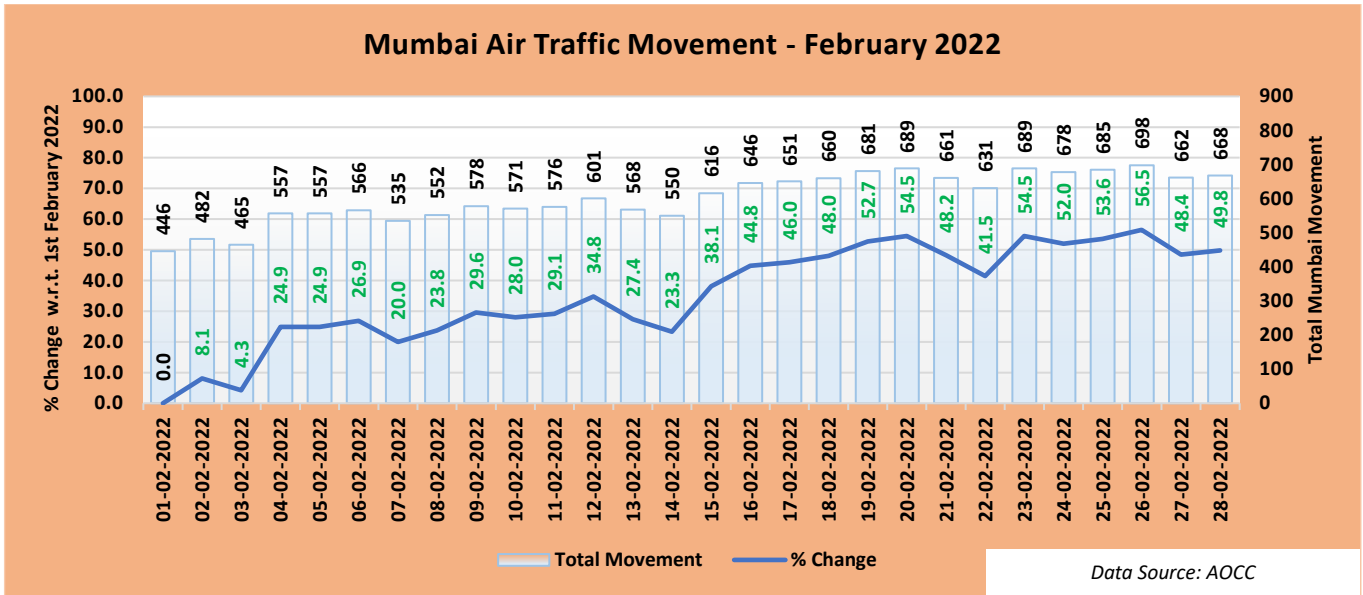


Figure 3: Air Traffic Movement for Mumbai - February 2022

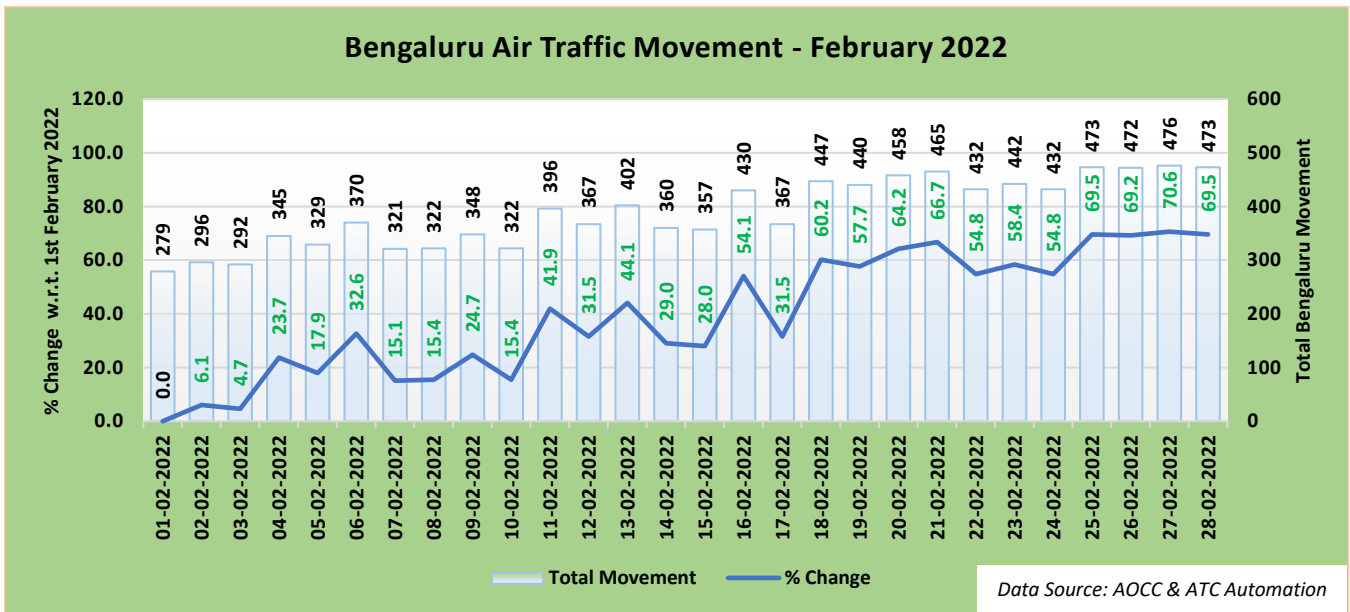


Figure 4: Air Traffic Movement for Bengaluru - February 2022

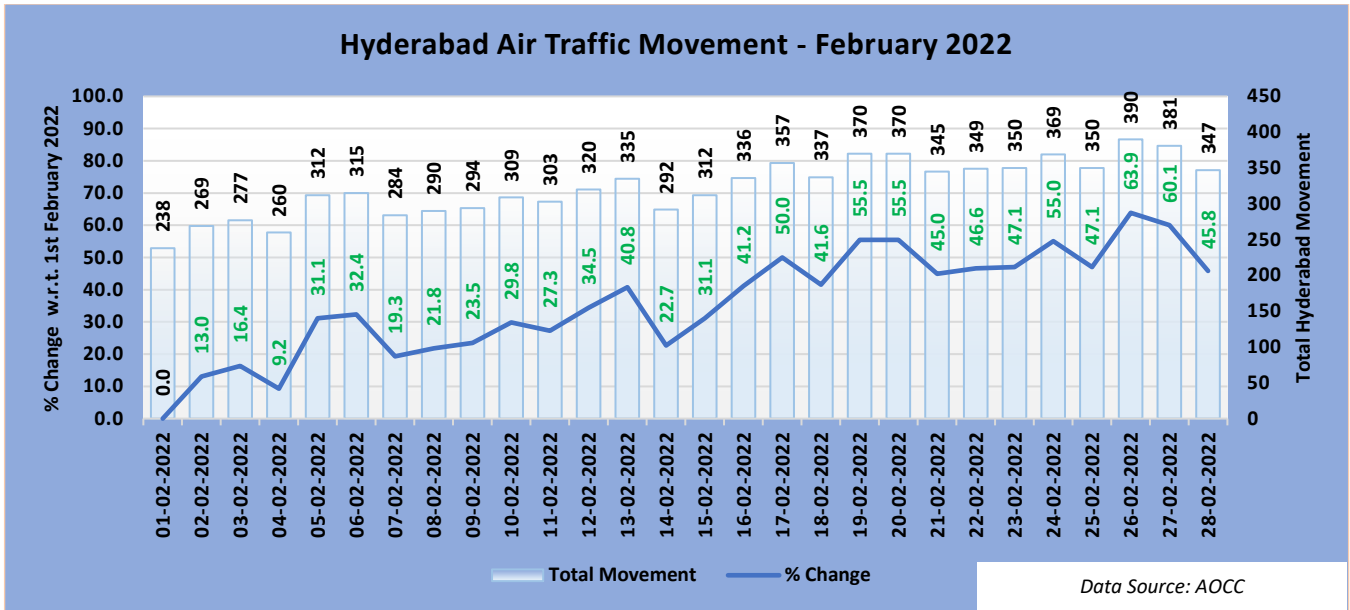


Figure 5: Air Traffic Movement for Hyderabad - February 2022

It is evident from the above charts that the air traffic has seen an improvement with upto 49.6% increase in Delhi, 49.8% increase in Mumbai, 69.5% increase at Bengaluru Airport and 45.8% increase on 28th February'22 as compared to the Air Traffic movement on 1st February'22.



II. Comparison of total ATMs (YoY) and Monthwise

The total Air traffic movement including Passenger and Combination of other flights i.e. All-Cargo flights, International scheduled, International non-scheduled, Domestic scheduled, Domestic non-scheduled, Air taxi & commercial business flights at six major Indian Airports namely Delhi, Mumbai, Bengaluru, Hyderabad, Kolkata and Chennai is plotted for the month of February for two consecutive years. Air Traffic movement is also plotted Airline wise for the last six months for the major Scheduled Operators.

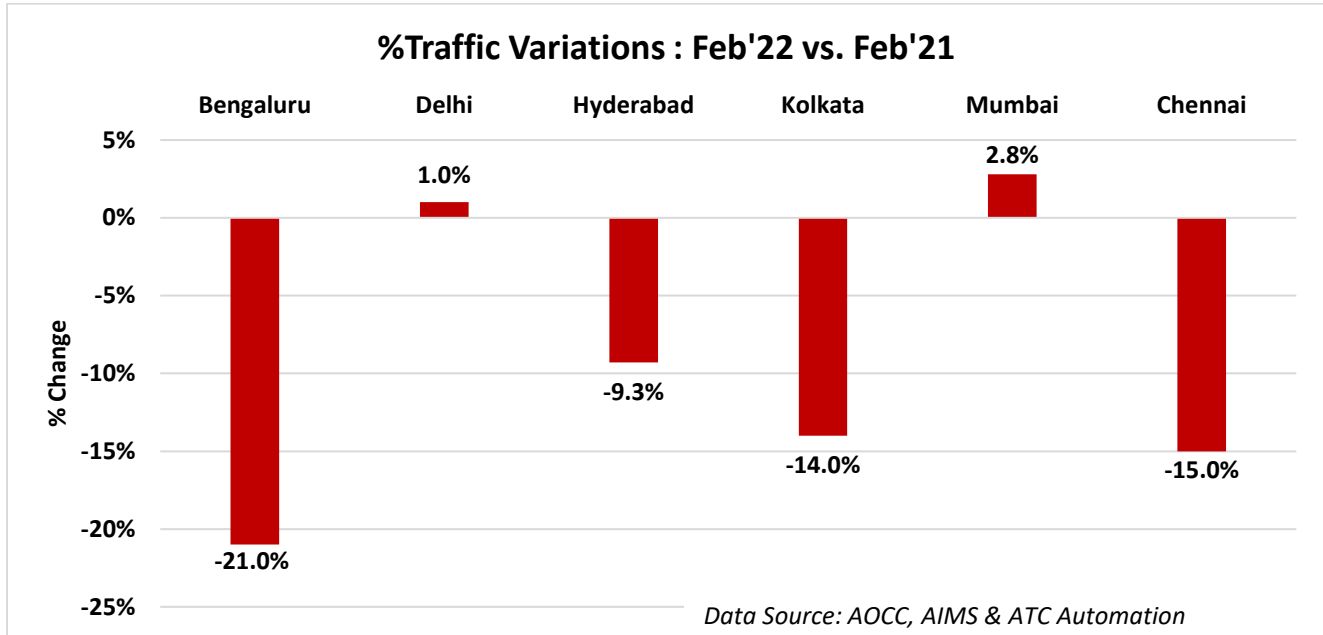


Figure 6: Percentage Traffic Variation (YoY)

Airports\Year	Total ATMs (YoY) for six major airports	
	Feb'22	Feb'21
Bengaluru	10913	13866
Delhi	28175	27867
Hyderabad	9061	9994
Kolkata	7986	9260
Mumbai	16919	16466
Chennai	7416	8713

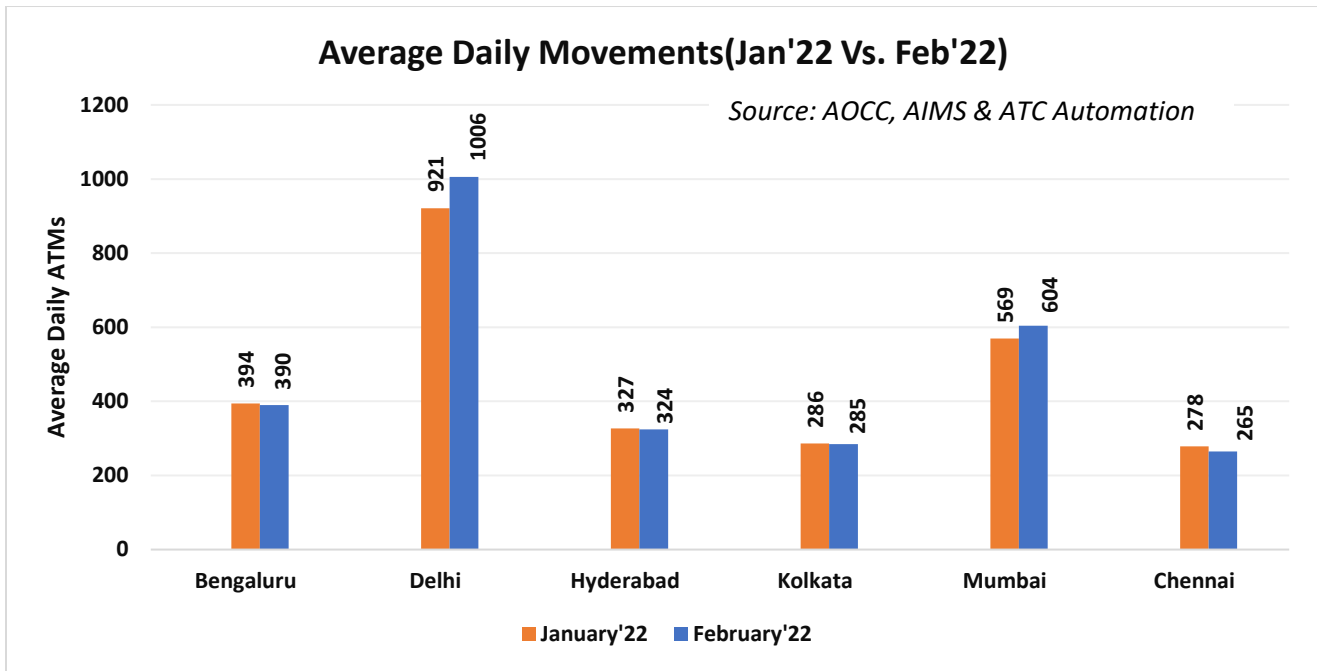


Figure 7: Average Daily Movements(Jan'22 vs. Feb'22)

III. Flight Operations – Airlinewise

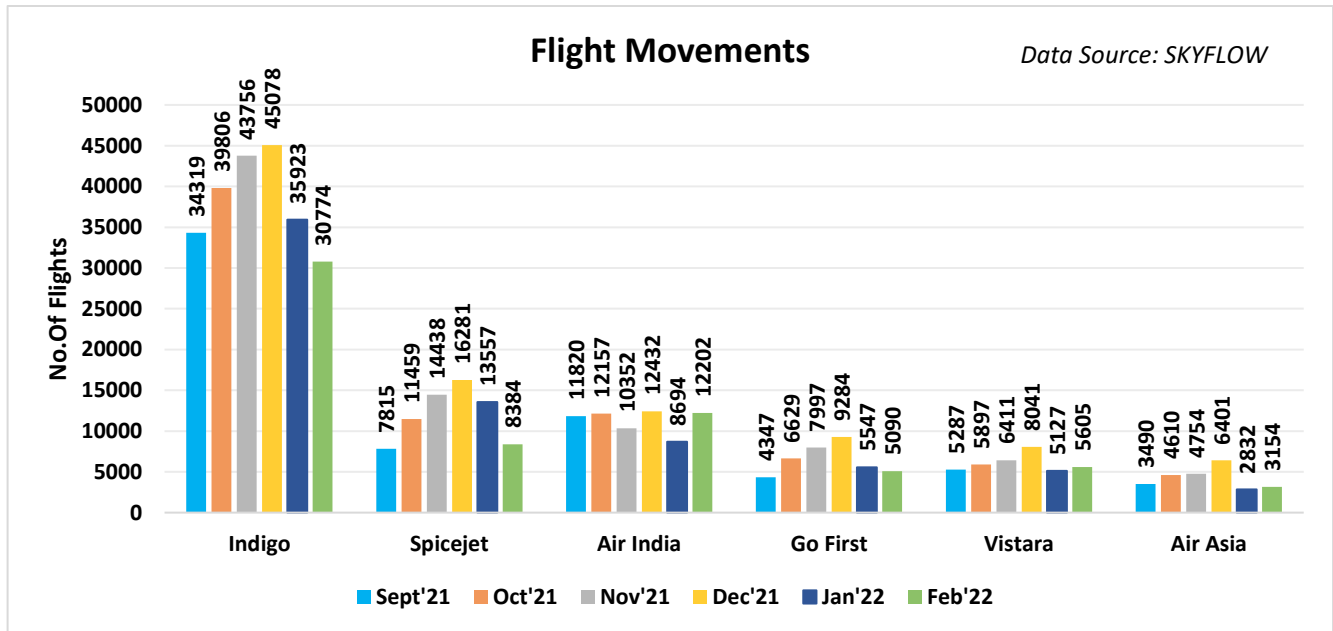


Figure 8: Flight Movements –Airlinewise