

COVID-19's Impact on Stock Market

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Abstract: This paper analyses the impact of the novel coronavirus majorly on the “The Big Board” and National Stock Exchange in the initial months. Comprehensive research suggests that the fears of coronavirus impact on the global economy have rocked markets worldwide, with stock prices plunging. The Indian stocks were eventually ‘back in the red’ despite various stimulus packages announced by the Fed and RBI. It further describes why COVID-19 is not the only reason for the recent stock market crash (**The Black Monday**) and suggests that falling stock markets might not be the only reason for a possible global recession as the real challenge this time is the interaction of supply shock with a substantial fall in spending by consumers and businesses, i.e. demand shock which will produce a deeper and a more lasting downturn.

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I. INTRODUCTION

It all started on December 12 2019 when the first case of what is now termed as ‘COVID-19’ was confirmed in China. Following the report, around 1 to 5 new cases were reported every day and by December 15, the number of infections reached 27. The case count reached 60 by December 20 and the numbers have only grown since then. What is troublesome about the entire situation is that in less than three months, the disease has turned into an outbreak with new cases being reported almost every day in every continent except Antarctica. As of April 6, total count was 1,315,989 with 72,715 deaths recorded globally. One of the direct impacts of the pandemic (declared by WHO on March 11, 2020) is the severe loss of lives but one aspect which cannot be overlooked is the threat this outbreak has caused on the global economy and financial markets. Globally, almost every sector from airlines, automobiles, leisure and hospitality to manufacturing and constructions has been severely hit by the outbreak. The fears of coronavirus impact on the global economy have rocked markets worldwide, with stock prices and bond yields plunging.

II. IMPACT ON NYSE

The entire stock market runs on predictions. On February 19, stocks closed at an all-time high as investors ignored the fears that the sudden outbreak of coronavirus could turn into a pandemic. Before this the investors were cheering on the 12-year bullishness of the market but by the end of February, US stocks tanked the most since the 2008 Financial Crisis as coronavirus fears caught up with investors. The market began falling even further, when new cases in Italy, Spain, Iran and South Korea were confirmed. S&P 500 saw the highest fall since 2008 spurring discussions around the fact that investors all over the world had underestimated the effects of the virus. March 9 2020 is now referred as Black Monday as Wall Street suffered a real crash since 2008 crisis. The shares dropped by 7% within 5 minutes, right after the market opened, which lead to a circuit breaker i.e. a rare incident in which there is a halt in trading for 15 minutes straight. The severity of the crisis could be well anticipated after this event. As soon as the first case in California was confirmed, indexes dropped by 10%. Stock prices by the time were down by 20% which means that we were now trading in a bear market. The Fed's immediate reaction of cutting target interest rate by half percentage points failed to comfort the US financial markets as it continues to fall to this day. On March 24, Fed declared an unlimited bond purchase to prevent the US economy from falling into depression. This move will facilitate the investors who are lagging behind their target weight to equity to rebalance their portfolios by selling off bonds at higher price and purchasing stocks at a comparatively lower price and get back to their targets. However on 27 March, 2020 DJIA closed at 21,946.93 i.e. a 2.68% fall from the previous day. Because of Fed's stimuli, the US stocks have bounced more than 17% in the fourth week of March however the situation still remains uncertain.

What has been the response in India?

The story takes a different turn in India. India remained somewhat distant from the outbreak for almost two months since its emergence. Several overseas investors have poured a total of \$3.4 billion into Indian stocks in 2020. It could easily be said that Indian stocks were resilient from others. But just like every other nation, stocks started tumbling by high points due to uncertainty revolving around the pandemic. The already battling

economy faced a new scare causing high volatility in the stock markets, negatively impacting the investors. Because of massive selloffs, several promoters of NIFTY 50 companies increased their own shareholdings. The following table shows the data:

Table no 1: Shows increase in own shareholding by top companies in NIFTY 50 since March 1

Companies	No. of shares acquired	Increase in stocks
Tata Steel	15,535,037	1.35
JSW Steel	8,252,700	0.32
HCL Tech	6,150,000	0.23
Adani Ports & SEZ	4,173,682	0.21
Bajaj Auto	384,000	0.13
Sun Pharma	2,479,154	0.10
Bajaj Finance	316,300	0.10
Axis Bank	224,172	0.10
Tata Motors	26,722,401	0.09
Bajaj Finserv	145,400	0.09
Grasim	550,000	0.08
Maruti Suzuki	211,000	0.07

On the other hand it is also believed that the current market fall can be the best opportunity for investors to buy stocks who plan to keep them for a longer period of time. However, trading in the equity market was halted for an hour on 13th March, 2020 and on 23rd March, 2020 for 45 minutes after BSE Sensex hit its 10% lower circuit level. Over the last month, several sectors like banking, automobile, IT and media have been severely hit in the stock market. The following figure shows the stock market figures in India (sector-wise index) after-market closure on 27th March:

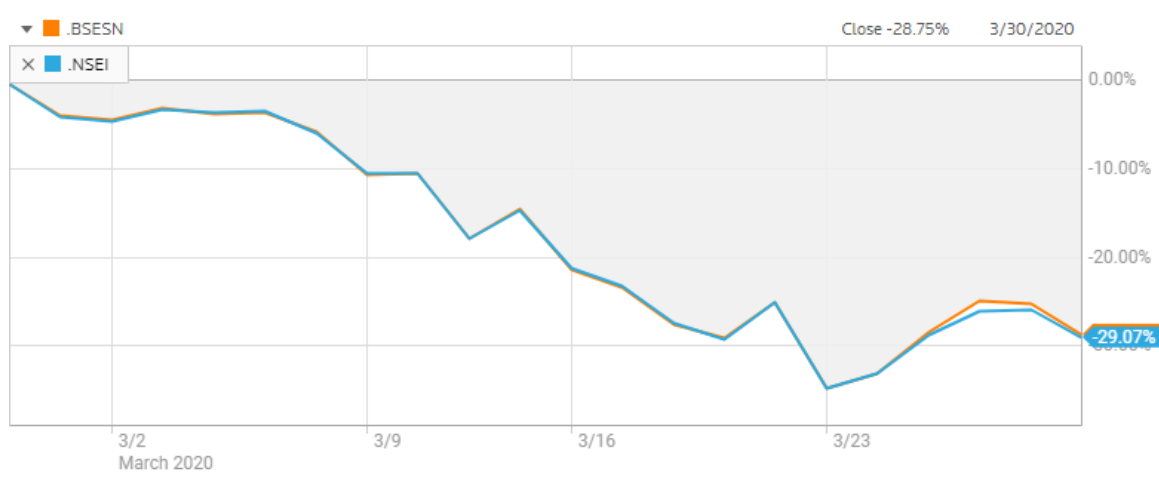
Index	Current	Change	%change
NIFTY BANK	18,952.90	-1,016.10	-5.09%
NIFTY AUTO	4,653.10	-285.60	-5.78%
NIFTY FIN SERVICE	9,131.60	-622.70	-6.38%
NIFTY FMCG	26,014.75	274.30	1.07%
NIFTY IT	12,427.55	-141.55	-1.13%
NIFTY MEDIA	1,025.35	-30.05	-2.85%
NIFTY METAL	1,503.85	-51.00	-3.28%
NIFTY PHARMA	6,948.40	135.35	1.99%
NIFTY PSU BANK	1,299.55	-40.10	-2.99%
NIFTY PVT BANK	10,160.50	-577.65	-5.38%
NIFTY REALTY	175.50	-9.55	-5.16%

Source: Economic times

The Month ended with all the indexes trading up in the equity market. Miners and steel makers were the top gainers on the blue-chip index. NIFTY metals index was up 3.88%. However, there continues to remain volatility in the market as businesses across the country are at halt due to nationwide lockdown and there is a fair amount of uncertainty attached as to when the normal functioning will be restored, considering the number of cases in the country rising rapidly each day.

Indian Investor's response to initial Stimulus Packages

US announced a massive economic stimulus bill on March 25 to cope up with the fallout of coronavirus after which there was a rise in stock prices for about four days in India. NIFTY and Sensex saw their best session since May 2009. Nifty closed 6.62% higher at 8,317.85 on the first day of national lockdown while it closed on 3.21% higher at 8,584.45 on the second day. Another reason why market performed well after the passing of economic relief bill was that Indian investors were anticipating the announcement of a similar fiscal stimulus package by the RBI. The announcement of \$22.6 billion relief package by the government which focused mainly on direct cash transfers and food security measures for the poor did not go well with the investors. The NSE NIFTY50 which was up by nearly 5% as Finance Minister began addressing the media pulled back soon afterwards. While this move was the need of the hour, many investors were expecting specific measures to boost the corporate, micro, small and medium business enterprises and stock markets, non-addressal of which led to the plunge. Indian stocks were back in the red despite central bank's decision to cut rates (repo rate cut by 75 basis points at 4.40%) for providing a boost to the economy on the third day of national lockdown. Thus in the last week of March the index recorded its sixth straight week of declines amid historic sell-offs over the global market. The following graph shows market response of Bombay Stock Exchange (BSE) and National Stock Exchange (NSE) to the rapidly spreading disease in the month of March:



Source: Reuters

IS COVID-19 THE ONLY REASON FOR STOCK MARKET CRASH?

On March 9, the stock markets all over the world experienced the worst crash in history- termed 'Black Monday'. While it is speculated that the negative headlines about the uncertainty associated with the novel coronavirus is the sole reason why markets across the globe are crashing, but the question remains- Is it the only reason for the recent stock market crash? The answer is undoubtedly 'No'. Although it is true that an abrupt outbreak of the virus has led to a sudden halt of economic activity all over the world, with people practising quarantine amid the lockdown but fears surrounding coronavirus is not the only reason for the turmoil.

Russia-Saudi Arabia oil price war

In 2016, an alliance of crude producers comprising of OPEC countries and Russia countries- OPEC+- was formed to undertake production restrictions to resuscitate the flailing markets. It is a 14 member body which controls 35% of global oil supplies and owns almost 85% of known oil reserves. However, the recent clash between Russia and Saudi Arabia over cutting down production has significantly impacted the stock markets. Following a sharp fall in oil demand owing to the sudden halt of economic activity worldwide, the price of crude dropped sharply. To discuss the future course of action, OPEC+ meeting was held on March 5 where Saudi Arabia proposed a cut in oil production to balance the fall in demand. Russia disagreed saying that it was too early to initiate a cut without analysing the actual consequences of the sudden outbreak. A production cut would mean a rise in crude price due to decrease in supply thereby providing an incentive for US shale producers who would benefit by rising oil prices to boost production. On March 9, Saudis retaliated by initiating a price war by announcing an increase in production to 12.3 million barrels a day. This sudden boost in production would mean a significant increase in supply causing the prices to fall even lower. It is a rare event in which a demand collapse is overlapped by a supply surge. The sudden announcement sparked a market selloff and created havoc in the global stock market. Dwindling revenues mean global energy companies make less profit. That's spooked markets around the world, with shares in Tokyo dropping 5 percent and a top index on

Wall Street falling by 7 percent, forcing a trading stop shortly after open on Monday. However, it must be noted that there is no correlation between oil prices and stocks in the medium run.

WILL FALLING MARKETS CAUSE RECESSION?

Historically, we have seen how a stock market crash can lead to global recession. Stocks are a valuable source of cash that corporations use to manage and grow their businesses. If stock prices fall dramatically, corporations have less ability to grow. Firms that don't produce will eventually lay off workers to stay solvent. As workers are laid off, they spend less. A drop in demand means less revenue. That means more layoffs. The decline continues and economy contracts, creating a recession. In the past, stock market crashes preceded The Great Depression, the 2001 Recession and the 2008 Global Recession. Although the stock market suffered a ginormous shock this time, the situation is in no way similar to the past shocks which led to The Great Depression, the 2001 Recession or the 2008 Financial Crisis.

We must not forget the fact that history can only provide us with guidance and not answers. By definition, a recession must last at least six months, where a bull or bear market could only last a few days. It is also worth mentioning that there isn't necessarily a proven correlation between the severities of recession from GDP standpoint and the drawdown in the stock market. For example, during the financial crisis and great recession, annualized GDP growth was -5.1% despite a total drawdown in the stock market of over 50%. So while we could say that a falling market could be one of the causes of a global recession (the only thing that is certain to occur), the consequences this time are going to be even more severe than any other global recession experienced previously. The real challenge this time is that a temporary shock in production i.e. a supply shock will interact with rising infection rates, falling stock prices, and the widespread adoption of emergency restrictions on international travel and internal movements leading to substantial fall in spending by consumers and businesses i.e. a demand shock to produce a more profound and lasting downturn.

REFERENCES

- [1]. Bloom Micheal, et al. "Circuit breaker' triggered again to keep stocks from falling through floor. What you need to know", CNBC, 2020/12/03, www.cnbc.com/2020/03/12/stock-futures-hit-a-limit-down-trading-halt-for-a-second-time-this-week-heres-what-that-means.html
- [2]. Monnappa Chandini "Indian stocks back in the red despite cenbank rate cut", Reuters, 2020/27/03, in.reuters.com/article/india-stocks/indian-stocks-back-in-the-red-despite-cenbank-rate-cut-idINL4N2BK1JD
- [3]. Long Heather "Fed announces unlimited bond purchases in unprecedented mood aimed at preventing an economic depression", Washington Post, 2020/23/03, www.washingtonpost.com/business/2020/03/23/fed-unlimited-credit-coronavirus/
- [4]. Dubey Sharad "Promoters Go Shopping For Shares As Markets Tumble", Bloomberg, 2020/27/03, www.bloombergquint.com/markets/promoters-go-shopping-for-shares-as-markets-tumble
- [5]. Mckenna Kristin "What Happens To The Stock Market After A Recession?", Forbes 2020/04/03, www.forbes.com/what-happens-to-the-stock-market-after-a-recession/#6afc18b42afb
- [6]. "Top Three Reasons behind the Stock Market Crash 2020: Is it Coronavirus, Oil Price War or Vanished liquidity?" Online trading with smart investment app, capital.com/stock-market-crash-2020.

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