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DYNAMICS OF INFLATION: THE ECONOMICAL CONSIDERATION

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ABSTRACT

Macro-economic operation is a matter of major concern for contemporary governments. All the keymacro-economic variables are needed to serve in synchronization for the smooth functioning of the economy else economy may fall into disequilibrium. The position of inflation in any economy is nearly connected to other macro variables. Hence, any movement in the inflation variable may have considerable influence on the performance and functioning of other variables. Accordingly, this may disturb the growth and stability of any economy. Thus, it's imminent to take care of the performance of inflation in the economy. It's an honored fact that inflation should be in controlled limits. Nearly every economy of the world, in the history of its development, had encountered this problem recurrently. Indian economy is no exception. The Indian economy has witnessed mild to severe forms of inflation from time to time. The different ways of financing the public deficiency have different financial goods; some of them, because of their impact on the money supply, increase the price situations. Eventually, public husbandry are getting more integrated into one international economy, which makes inflation a international miracle and price increases move from one country to another with ease. India is facing an acute problem of inflation; hence, its dynamics demanded to be explored for the acceptable result of such a problem. Though similar studies are accepted in literature, utmost of them happed in other countries. Whatever studies took place in India are more specific and don't give a complete result. Thus, this study is intended to be more comprehensive taking financial and real factor contemporaneously under consideration.

Keywords: *Monetary, Economy, Inflation, Development, Unemployment, Demand, Dynamics, Stability.*

Introduction

The inflation is directly linked to the money supply in the neo-classical paradigm whereas similar relationship is circular in Keynesian study. He holds that money supply causes a rise in prices through its impact on aggregate demand, employment and affair and this is due to lower than full employment equilibrium. Thus, Keynes has clarified the difference between inflation before and after full employment. This contestation further exacerbated during the 1950s, when severance accompanied by high rates of inflation. Either, one academy of study believed in cost- drive inflation while others labelled it as demand-pull. The third academy of study was also developed with the name of Charles Schultz. This is related to the demand shift proposition of inflation. During this contestation, a new approach of inflation was presented by A.W. Phillips. It has, further, been developed in stoked Philips wind. The contestation regarding this variable is still alive. The dynamics of inflation are demanded to be understood completely

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to deal with it effectively. Inflation is a nonstop, sustained and more or less strong increase in the General Price Level. We'll not say that there's an ‘inflationary process’ when there's a particular increase in the price position, or if this doesn't affect in a general way all the goods and services produced. Inflation means that the nominal values of all types of wares increase and that, symmetrically, the currency depreciates. The causes of inflation are different, as well as the magnitude in which it can be produced.

Dynamics of Inflation

India is facing the challenge of ever- adding inflation and this has particularly hurt the poor veritably poorly. Price control has come the main ideal of all the policymakers; still, there are different views about how to achieve this end. Policymakers need to answer certain questions in order to achieve this target like what should they do to cut down price rise, caption inflation gets affected by which factor the most? Is growth- inflation trade-off significant? The most important factor is the high food inflation. Indian consumers generally spend nearly half of their income on food, and poor people spend indeed further than 50 percent on the same. Since the morning of themid-1950s that's the morning of the planning period and after the first Five Time Plan, prices have continuously risen in India. The rate has not been invariant throughout the period. This miracle has negatively affected the Real Income of people and at present, the situation is worse. Hence, controlling inflation has come extremely important and entering lesser attention in macro-economics. Thus, price stability is viewed as a necessary condition to insure the asked development performance of the economy. Price intensification is affecting the lives of people in all walks of life. Models have been developed by numerous economists to explore the nature & causes of inflation. Some of the models say that inflation is purely a financial miracle while others are of the opinion that it's the structural factors that play an important part in fuelling up inflation. Different views have surfaced in the literature. According to one academy of allowed price hike is primarily due to non-monetary factors, supply- side factors(affair gap, financial expenditure, husbandry product, crude oil price and so on), this academy of study doesn't consider the part of demand- side factors. On the other side there's a differing opinion according to which non-monetary factors affect inflation only the short- run whereas, in the long- run, financial variables (money supply, interest rate, foreign exchange rate) have a lesser influence on the price escalation. There's one further unique standpoint as regards the causes of inflation, and that's the cost- drive propositions (also called merchandisers’ or mark- up propositions). According to these propositions, price hike occurs due to a rise in stipend, gains and material prices which forms the part of the cost of product. Whenever the cost of product increases the burden isn't borne by the directors but it eventually transferred to the consumers which affect in inflation.

Inflation in Indian Economy

In recent decades, the Indian economy had registered fairly better profitable growth and endured mild to severe position of inflation. Inflation has therefore, come an important concern for the arising economy like India despite the fact that authorities have some medium to control similar inflation in light of public objects. In controlling overall inflation, we've to turn our attention much further to macro demand operation- financial and financial- however, we will need to look for newer channels of policy action. Also, food inflation had shown briskly growth than core inflation. Since the maturity of the population is poor, so it’s veritably important to control food inflation. In this background, the present exploration is proposed to study the patterns, determinants and inflation controls in the Indian economy. Whenever an economy follows the growth line, in the original times of development it may witness high situations of inflation and may stabilize gradationally as the economy attains a high position of development. Either, a high position of inflation is associated with lower growth because lower real balances reduce the effectiveness of factors of product. Also, piecemeal from the other factor, inflation is also told by once situations of inflation. Current situations of inflation may fuel further inflation in the coming period. On the other hand, when such an increase in inflation isn't in consonance with other macro variables in the system, inflation may follow the dwindling trend. Inflation of various parts, in any developing economy, may show co-movement in the same or in the contrary direction depending upon the product nature of the sector. Hence, the inflation variable may parade different patterns with other macro variables overtime with stabilizing and destabilizing effect. Hence, inflation merited to be explored for effective policy medium.

Relationship of Inflation with other Macro-Economic Variables

Since inflation is related to other macro variables, and any movement in inflation can impact the functioning of other variables. Thus, it's important to study the relation of inflation with different macroeconomic variables similar as international crude oil Prices, Foreign Exchange Reserves, Index of Industrial Production, Money Supply, Prime Lending rate and so on.

- **Inflation and Money Supply**: In the history of profitable study, the debate on the part of money supply in the determination of nominal income and price has remained one of the important issues. The part of money supply in contributing inflation has always been debatable. The history of profitable study is full of similar conversations. The Monetarists and the Keynesians have extremely contrary views on this issue. Some exploration has proved that money supply is an important factor, Milton Friedman, the father of monetarism and Nobel laureate in Economics, said that inflation is always and far and wide a financial miracle. In India, two measures of money supply, videlicet, narrow money (M1) and broad money (M3) are used to study the relationship between money supply and price. The former includes currency with the public, demand deposits with banks and other deposits with the RBI, while the ultimate is arrived at by adding time deposits to M1. Grounded on the analysis of data, it can be said that, though the relationship between money supply, the price position is unclear during a short period (i.e. one or two times) the long- term relationship is clear and analogous to what volume proposition of money has prognosticated.
- **Inflation and Interest Rates**: In macroeconomics, the most constantly bandied content is the relationship between interest rates and Inflation. Generally, with a drop in the rate of interest, the borrowing capacity of people increases. As a result, consumers are suitable to spend further money, due to which growth of the economy takes place, and inflation also increases. Increase in the rate of interest leaves the consumers with lower money to spend. With lower spending, the economy slows and inflation diminishments. The central bank through Monetary Policy tries to control the vacuity and cost of adopting through interest rates.
- **Inflation and Foreign Exchange Rate:** It's a well- known fact in macroeconomics that inflation has a positive relationship with foreign exchange reserves. Still, the relationship isn't direct, as the increase in foreign exchange reserves results in an increase in money supply which eventually leads to an increase in inflation if not supported by an increase in product. Due to Increased foreign exchange reserves import of oil, ministry, and other accoutrements also increases.
- **Inflation and Crude oil Prices:** Since crude oil is one of the largely demanded goods in the world so variations in crude oil price will surely bring differences in inflation of any economy. Oil is universal as a commodity, so a change in its price will elicit changes in inflation around the world. Lower oil Prices will take the inflation rate down by significant quantities. Crude oil Prices vastly affect the prices of petroleum products of the importing countries. Similar products are major sources of numerous of the product processes. Hence, energy the cost- drives inflation. Further than 80 percent of the domestic need for petroleum products is sourced from other countries. Thus, any movement in the prices of crude in the international market vastly influences the price movement in India.

Dimension of Inflation

Inflation is a dynamic process subject to various mechanisms of propagation and that it’s honored by its goods the rise in prices. Given that price variations allow us to diagnose the state of inflation, poses the problem of calculating an index of price variations. The variations in Prices are measured substantially through two indicators the CPI and the GDP deflator. Presently, two pointers are being used to measure inflation in the countries. The Consumer Price Index (CPI) is a statistical measure that indicates the elaboration of the set of prices of goods and services consumed by the population abiding in a country. In utmost countries, the information that serves as the base for establishing a system of Consumer price indicators is attained from a family budget check. The CPI elaborates yearly assuming constant the hand basket of goods and services and the weights of the time considered as a base time. The CPI calculated in this way measures the variation of the prices of certain" shopping handbasket" over time. It’s egregious, still, that the CPI loses representativeness as an estimator of the true elaboration of prices as you move down from the baseyear. However, we can define it as the chance variation rate of the CPI over a period of time, If we measure inflation through the CPI. The GDP deflator is a more total and accurate indicator since it provides information on the variation in prices of all final goods and services produced in the economy for a time. Still, it can only be attained annually, which makes monitoring delicate and the direct control of price increases. In addition, its general nature makes it of little use to profitable agents when making their particular vaticinations. A deflator is a price indicator with which a nominal quantum is converted into a real one; that is, the nominal magnitude is deflated by separating the variation due to the increase in prices of that attributed to the growth of real factors. Given that GDP is a introductory volume of profitable exertion, its deflator is the indicator of advanced content prices. The GDP deflator is the quotient between nominal GDP and real GDP expressed in the form of an indicator. For measuring the general price position, indicator figures are constructed by taking a weighted normal of prices of individual goods and services. The comparison of a general price indicator over a period of time shows the variation in the general price position, which is nothing but the rate of inflation. Though, since the computation of 'increase in the price of goods and services' virtually insolvable within an extremely large number of goods and services, a sample set or hand basket of goods and services is used to arrive at a characteristic figure of the change in prices, which is defined as the inflation rate. For calculating inflation, the price indicators which are largely used are the Consumer Price Index and Wholesale Price Index.

The Effects of Inflation

Prices act as a point of reference in the consummation of exchanges and constitute the medium that allows us to know what the best- paid uses for each resource area. Their endless revision prevents them from playing that part since the profitable agents would not also have a stable index of the value of the goods, nor of the profitability that they could get with their investments. Inflation generates real costs; these will depend, in the first place, on the magnitude of the inflation. It's easy to understand that the profitable consequences of a latent inflationary process aren't the same as those generated by a running process; it also depends on whether the inflation is or isn't anticipated; and, eventually, if the institutions of the economy have acclimated or not to the inflationary process. Unlooked-for inflation generates other goods on product and employment. The inflation exerts upward pressure on interest rates, which makes backing more precious in the economy and discourages investment. In a case where the rate of growth of prices is advanced than that of the countries with that competes in international markets, inflation assumes a relative increase of public products in relation to foreign products; this decreases competitiveness, and thus, decreases the National Product and increases the marketable debt.

Conclusion

Profitable proposition states that inflation in an economy may be told by demand and supply factors contemporaneously. Indian economy is no exception. The demand and supply- side variables under consideration in this study turned out to be important in explaining the Indian inflation; however, with different strength during regimented and liberalized ages. The inflation variable may induce insecurity in the economy and may disturb the overall equilibrium in the economy. So, it was hypothecated that inflation as a variable has a regularizing relationship with other macro-economic variables in a long period. This study established that the long period relationship of cointegrating variables with inflation is clustering and stabilizing for the first sub-period. Still, such a relationship between confluence and stability was slow during the post and posterior period. Thus, this research is accepted with some reservation. The volatility was present in the Indian inflation irrespective of the sub-periods under consideration. Still, such an effect was weak during the pre-reform period whereas similar relationship turned out to be veritably strong during post reform ages. Hence, the actuality off unpredictable behaviour and continuity in Indian inflation are accepted without any vacillation. We observed that Due to the high dependence on significances for crude oil, its prices are causing inflation in the Indian economy. Efforts should be made to ameliorate the domestic product and dependence on significances should be reduced mainly. During recent decades, a significant positive relationship has been discovered between money supply and inflation. Thus, the financial policy commission (MPC) in India should nearly cover the growth in the money supply.

References

1. Bhalchandra, M.D. and Rami, G.D., (2008), "A study of Causality between Money Supply and Price Level in India (Monthly Data): 1953 to 2005" International Conference on Applied Economics – ICOAE, pp. 245-254.
2. Bhattacharya, K. and Bhattacharya, I. (2001), "Impact of Increase in Oil Prices on Inflation and Output in India", Economic and Political weekly, Vol. 36, No. 51, pp. 4735-4741.
3. Chakravarthy, S. (2007), "Our Fight Against Inflation", Yojana, Vol. 51, pp. 47- 48.
4. Deshpande, A. and Sarkar, P. (1995), "Structural Adjustment in India: A Critical Assessment", Economic and Political Weekly, Vol. 30, No. 49, pp. 3151-3155.
5. Dombush, R., (1992) "Lessons from Experiences with High Inflation", The World Bank Economic Review, Vol. 6, No.1, pp. 13-31.

6. Kaushik, B., (2011), “India’s Food Grains Policy: An Economic Theory Perspective”, Economic & Political Weekly, Vol. 16, No.5, pp. 37-46.
7. Narayan, P. K., Narayan, S. and Mishra, S., (2011), “Do Remittances Induce• Inflation? Fresh Evidence from Developing Countries”, Southern Economic Journal, Vol. 77, No. 4, pp. 914-933.
8. Patel, S., (2012), “The Effects of Macroeconomic Determinants on the Performance of the Indian Stock Market”, NMIMS Management Review, Vol. 22, No. 1, pp. 117-127.
9. Paul, B. P. and Hassan Zaman, H., (2014), “When and Why Does Bangladesh’s Inflation Differ from India’s?”, Macroeconomics and Finance in Emerging Market Economies, Vol. 8, No. 2, pp. 45-66.
10. Rajkumar, A. W. (2011), "Money Supply and Inflation: A Historical Analysis," The IUP Journal of Monetary Economics, Vol. 9, No.1, pp 22-45.
11. Rana, P., and J. M. Dowling, J. (1983), “Inflationary Effects of Exchange Rate Changes in Nine Asian LDCs”, Report No. 21, Asian Development Bank.
12. Saritha, J., Swathi, J., Singh, A. A. and Kumar, S. A. (2015), “A Study on Inflation Effect on Index of Industrial”, IRJA Indian Research Journal, Vol. 2, No. 6, pp. 1- 10.
13. Singh, B. K., Kanakaraj, A. and Sridevi, T. O. (2010), “Revisiting the Empirical Existence of the Phillips Curve for India”, MPRA Paper 31793, University Library of Munich, Germany

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