

Foreign Direct Investment On Economic Evidence In India- An Institutional Quality Approach.

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ABSTRACT

Purpose: This empirical study at the present phase of economic advancement suggests that foreign direct investment (FDI) significantly influences the sustained, high-caliber, and robust economic development of the host country. Every country engaged in the economic globalization trajectory is thus striving to foster a competitive business atmosphere domestically, aiming to attract additional foreign investments.

Design/Methodology/Approach: The primary focus of this research centers around Institutional quality or Evidence, with a particular emphasis on 10 selected factors within Institutional Metrics. Some of these include anti-corruption efforts, efficient government, stable politics, high-quality regulations, legal protections, and citizen participation and accountability.

Civil liberties, Women in parliament, Corruption perceptions, Political rights) from DPIIT website (Secondary Data) for the period 2022-2023. Static analysis methods such as the Unit Root Test, the ARDL Approach, and the OLS Model are being used.

Originality/Value: The impact of institutional factors on foreign direct investment (FDI) flows is investigated in this study using the Least Squares regression (OLS) method. Here, FDI flows are the dependent variable, and the ordinary least square method is utilized to evaluate the effect of institutional elements on these streams.

Findings: According to the study's use of the ARDL model, some institutional indicators have positive coefficient values; among them, measures of government efficiency and corruption stand out as indicators that have shown a short-term correlation with foreign direct investment (FDI). The investigation discovered that institutional markers like law and order, administrative quality, and voice and responsibility had a long run relationship with FDI streams, and that political stability had an f-statistic value that was higher than the upper peasant table ($7.4578 > 4.16$).

Keywords: FDI, Economy Growth, Institutional Metrics, ARDL Approach, OLS Model.

JEL Codes: M15, M16, M18, M98.

1. INTRODUCTION:

Foreign direct investment's (FDI) correlation with GDP growth has been the subject of much study. Many policymakers still lack a thorough understanding of the theoretical connection between foreign direct investment (FDI) and economic development, despite FDI's critical role in this process. Subsequently, this paper will probably give an improved on writing survey on the subject of foreign direct investment (FDI) and monetary turn of events. foreign direct investment (FDI) is a central point in the host country's financial turn of events, as per the hypothetical writing dissected in this examination. foreign direct investment (FDI) is a sort of worldwide speculation when an individual or association from one nation has a drawn out stake in an organization in another economy and has a lot of impact over it. The current phase of economic development underscores the substantial impact of FDI on the stable, high-quality, and robust economic growth of the destination country. Nations participating in the global economic process are actively working to cultivate a competitive business environment to attract increased foreign investments.

Therefore, it becomes crucial to scrutinize the core determinants that exert the most significant influence on FDI inflows and their stability. Numerous studies on international capital flows reveal that the primary motivations behind making direct foreign investments historically revolve around ownership advantage, location benefits, and internationalization advantages. While factors like a decisively beneficial position, an enormous customer base, and a wealth of natural substances add to a country's speculation engaging quality, these by themselves are deficient in the present exceptionally serious scene for worldwide capital.

In this savage contest for FDI, consideration should likewise be coordinated towards the administrative structure inside a country. A very much organized administrative climate lessens exchange costs for investors as well as works with exchange, giving fundamental shields and insurances to unfamiliar financial backers. Besides, it is basic to recognize that a mix of engaging quality to foreign direct investment (FDI) and great institutional productivity is a significant part in drawing in FDI and receiving its rewards.

This study utilizes institutional estimations from the World Bank Overall Administration estimations, an essential asset for concentrates on that straightforwardly look at foundations to decide what associations mean for foreign direct investment (FDI) streams. To decide the connection between these institutional factors and FDI streams, this examination incorporates the accompanying:

Anti-Corruption Measures

Efficiency of the government

The consistency of government

The level of regulation

Legal Principles

Representation and Responsibility.

Personal freedoms

Women in parliament

Corruption perceptions

Political rights

2. REVIEW OF LITERATURE:

Mazumdar (2020): - This paper explain about the difference between FDI Flows and GDP. The research looked at how capital flows affected India's GDP growth and suggested that the early 1990s partial capital account liberalization had boosted hopes for a beneficial effect on India's GDP growth. This article takes a look at the effects of FDI flowing into India and wonders whether it has contributed to the country's overall financial progress.

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- ❖ **Mahajan and Agarwal (2020):** This article was Proposes indicate that India has the potential to draw foreign investment through effective marketing strategies. To enhance transparency and simplify the foreign investment policy, the Government has eliminated pre-equity approvals, provided specific preconditions are fulfilled. When coupled with factors like robust financial development in both home and host nations, improved corporate benefit, and raised stock valuations, these measures are anticipated to contribute to a resurgence in Foreign Direct Investment (FDI) flows.
 - ❖ **Click (2019):** The study investigated the risk associated with US foreign direct investment spanning from 1982 to 1998 across 59 host countries. An empirical model was first built as part of the investigation to shed light on the patterns in return on assets (ROA), a measure of capital return, both across time and between countries. Four primary findings emerged from the study. Firstly, the ROA in a significant number of countries does not merely mirror global trends. Secondly, variations across countries are elucidated by financial risk. Thirdly, there exists a qualitatively distinct unexplained country risk.
 - ❖ **Bhaumik (2019):** - The examination of the banking sector in the study contends that the expense productivity and benefit of public area banks have undergone substantial improvement. The article suggests that it is now opportune to take decisive action and privatize public sector banks. At the same time, the paper suggests encouraging more credit securitization as a means of reducing the dangers connected with the formation of bank assets.
 - ❖ **Nagesh Kumar (20018):** "Liberalisation of FDI Flows and Development—Indian Experience in the 1990s" is an article that delves into the characteristics and effects of FDI on India starting from 1991 and continuing forward. It provides a comprehensive summary of the assessment of the Indian Government's policy concerning FDI spanning from 1948 to 2004. Additionally, the paper delves into the scrutiny of patterns and examples portraying FDI inflows in India during the 1990s. Note that the author uses only secondary sources, for example, the United Nations Conference on Trade and Development's (UNCTAD) international investment database and official publications of the Indian government.
 - ❖ **Peng Hu (2017):** - Under the heading "Economic Crisis on the Operational Behaviour of Firms: Case of East Asia," the research investigates how the global financial crisis has affected the operational behaviour of East Asian businesses. A few monetarily and economically solid Finnish organizations considered the Asian emergency to be a potential chance to develop into new regions in the locale. Transnational corporations (TNCs) may be eligible for further investment incentives while the economy is in recovery. Despite the difficulties brought on by the Asian crisis, the majority of the world's biggest companies showed remarkable tenacity and consistency in their strategy by continuing to have faith in the East Asian crisis nations as potential investment destinations.
 - ❖ **Elissa Braum (2017):** - The report provides a thorough synopsis of the literature and government policy pertaining to the links between FII and development. It argues that growth occurs before Foreign Direct Investment (FDI), rather than the other way around, and provides substantial and consistent data in support of this claim. Moreover, the study emphasizes the critical role of the economic policy context in realizing developmental advantages from FDI. In addition to maintaining low creation expenses to draw in excellent FDI, countries should likewise have adequate homegrown abilities to effectively leverage the benefits derived from foreign direct investment.
 - ❖ **Subramanya and Bhuma (2016):** - According to the research article "Studying Outward FDI by India," there is a significant relationship between remittances and the elasticity of government spending and labour outflows. Based on the data, the amount of investments made abroad is intently attached to the solace level of the financial backers. According to the report, remittances are affected by the amount of individuals joining the workforce, which is in turn affected by government expenditure on higher education and increasing the supply of qualified workers.
 - ❖ **Rajesh Narula and S. Lai (2016):** - According to the articles included in the edited collection, one of the most important goals is to learn how to maximize the advantages that the host nation gets from FDI. The essays in this collection draw attention to a fundamental inconsistency: "With frail

neighborhood capacities, industrialization turns out to be more dependent on FDI." This paradox is present despite the diverse range of nations and methodology used. Importantly, the studies presented in this volume do not lend support to the notion that FDI is an absolute prerequisite for economic development.

- ❖ **Karunagaran (2015):** - The research delved into a historical examination of foreign banks, scrutinizing their operations through the lens of historical perspectives. Drawing insights from this historical overview, the study proceeded to conduct an analysis of contemporary policies that have facilitated and encouraged the aggressive expansion of foreign banks.
- ❖ **Vasudevan (2015):** - The paper delineates the absence of a standardized theoretical framework concerning portfolio flows. Foreign direct investment (FDI) was the central idea in the early writings on the subject of foreign investment; this viewpoint became politically significant in the 1924 Soviet Union's Leninist New Economic Policy, as economic historians remember.

4. STATEMENT OF PROBLEM:

Foreign Direct Investment (FDI) has poured into developing countries at a rapid pace in the last few years. Attracting foreign direct investments (FDIs) seems to depend heavily on the level of economic and social growth in these developing nations, particularly in relation to future industries, institutional environments, and policy shifts. The use of measures including incentives, concessions, regulatory liberalisation, and investment assurances has been implemented. Yet, when it comes to luring a significant quantity of FDI, India falls short. Total foreign direct investment (FDI) inflows to India are on an increasing trend, even though FDI to China has doubled over the last decade. Despite its vitality, huge potential, and expanding significance for FDI, the country has failed to attract the expected foreign direct investment (FDI), especially when compared to other big, economically focused countries among the world's fastest-growing nations (BRICS).

5 RESEARCH GAP:

Just a set number of studies have embraced an assessment concerning the system effect on Foreign Direct Investment (FDI) streams. A few of these studies have focused on investment decisions, technological aspects, and economic challenges associated with financial mobilization through FDI. The government of India has recently examined the latest developments in attracting FDI flows, with most studies addressing regulatory bottlenecks in the field of unfamiliar direct speculation. In spite of a huge number of global, national, and local studies utilizing reasonably large samples, these efforts have not fully addressed the complexities and challenges related to the growth of FDI flows. It is noteworthy that smaller countries have demonstrated a more successful ability to draw in a bigger part of FDI than India. For instance, Belgium has achieved a 100% success rate in attracting FDI and is recognized as the highest FDI-attracting country globally. One major impediment identified is the institutional factors that appear to be unable to effectively channel funds into India.

6. OBJECTIVES OF THE STUDY:

- ❖ To study the Role of Foreign Direct investment flows in to India.
- ❖ To study the institutional environment impact on Foreign Direct investment flows in to India.

7. HYPOTHESES OF THE STUDY:

Ho: There is no impact of dimensions of institutional metrics on FDI flows.

H1: There is an impact of dimensions of institutional metrics on FDI flows.

8. RESEARCH METHODOLOGY:

Study period:

The period of the study is between the financial year 2022-23. And the data collected from DPIIT website and Few journals.

Statistical tools to be used:

The effects of FDI on India's economy, as shown by this study, are the result of institutional variables. Below statistical tools to be used.

- Stationarity Test
- Unit Root Test
- ARDL approach

Least Squares regression (OLS)

9. SCOPE OF THE STUDY:

To break down the ten institutional factors that add to India's financial turn of events, First, we will take a look at how FDI has affected the expansion of certain industries throughout the country.

10. RESULTS AND INTERPRETATION:

- ❖ To investigate the function of FDI flows into India.

Equity Inflow from Foreign Direct Investment by the Top Five Investing Countries in April 2022 to March 2023.

Rank	Country	FDI Equity Flow During2022-2023.	% Share in FDI Equity Flow During2022-2023.
1	Singapore	1,37,374	37 %
2	Mauritius	48,895	13 %
3	USA	48,666	13 %
4	UAE	26,315	7%
5	Netherland	19,855	5%

Share of Top Five Investing Sectors in FDI Equity Inflow in April 2022 to March 2023.

Rank	Country	FDI Equity Flow During2022-2023.	% Share in FDI Equity Flow During2022-2023.
1	Computer Software & Hardware	74,718	20 %
2	Service Sector	69,852	19 %
3	Trading Sector	38,060	10 %
4	Non-Conventional Energy	19,977	5%
5	Drugs & Pharmaceuticals	16,654	4%

Challenges Facing International Investment:

Foreign investment in a host country can have various impacts, and foreign investors often conduct research to identify obstacles that may negatively affect their investments. Companies are naturally averse to incurring losses, and understanding the challenges in the host country is crucial for making

informed investment decisions (Boopath, D., 2013). Several reasons may dissuade foreign companies from investing in a particular host country, ranging from regulatory hurdles and economic instability to political uncertainty and inadequate infrastructure. Identifying and addressing these challenges is essential for fostering a conducive environment that attracts and retains foreign investment.

- ❖ **Rate of Interest/Foreign Exchange Rate:** Differences in interest rates between countries play a crucial role in foreign capital movements. Capital tends to flow from low-interest-rate countries to those with higher rates. The movement of foreign investment is particularly slow in the presence of an unstable exchange rate and the anticipation of a future decline.
- ❖ **Speculation:** Short-term capital movements can be influenced by speculation about expected changes in interest rates. Investment portfolios in the host country market are subject to speculation, and if the market is perceived as strong in speculation, foreign investors may reduce their investments, leading to a smaller unfamiliar speculation development in the host country.
- ❖ **Profitability:** Foreign capital flows in the private sector are heavily influenced by the desire of profit. In light of this, private investment flows to nations with relatively better rates of return.
- ❖ **Costs of Production:** Lower creation costs in outside nations act as an incentive for private capital movements. This can be categorized into two types of cost-saving investments – the first involves acquiring raw materials from abroad that are essential for manufacturing and selling finished products, while the second pertains to reducing the costs of production, particularly labor, through substantial interests in extractive enterprises.
- ❖ **Economic Conditions:** Opportunities for confidential unfamiliar venture are exceptionally impacted by financial factors, such as the size of the population and the country's income level, which in turn affect market potential and infrastructural facilities.
- ❖ **Government Policies:** Investments from other countries may be influenced by a country's policies, particularly those that deal with collaboration, revenue, taxes, currency rates, tariffs, monetary incentives, and foreign investment.
- ❖ **Political Factors:** Political factors, including political stability, party organisation, and diplomatic connections with foreign nations, are also influential in shifting capital flows. Political influences on business practices, including changes in tax policies and industrial regulations, can either positively or adversely affect the flow of unfamiliar interest in a country.

The objective is to research how FDI affects the development of certain industries in India.

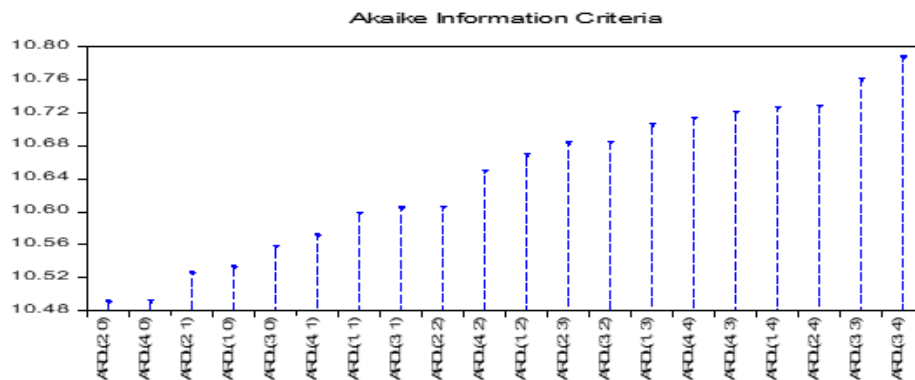
An augmented Dickey-Fuller unit root test

Institutional Indicators	Level	1st Difference	2nd Difference
Control of Corruption	0.0013*	-	-
Government Effectiveness	0.0000*	-	-
Political Right Index	0.0000*	-	-
Regulatory Quality	0.0030*	-	-
Rule of Law	0.0682	0.0000*	-
Voice & Accountability	0.0010*	-	-
Civil liberties	0.0688	0.0000*	-
Women in parliament	0.0798	0.0000*	-
Corruption perceptions	0.0686	-	0.0000*
Political rights	0.0018	-	-

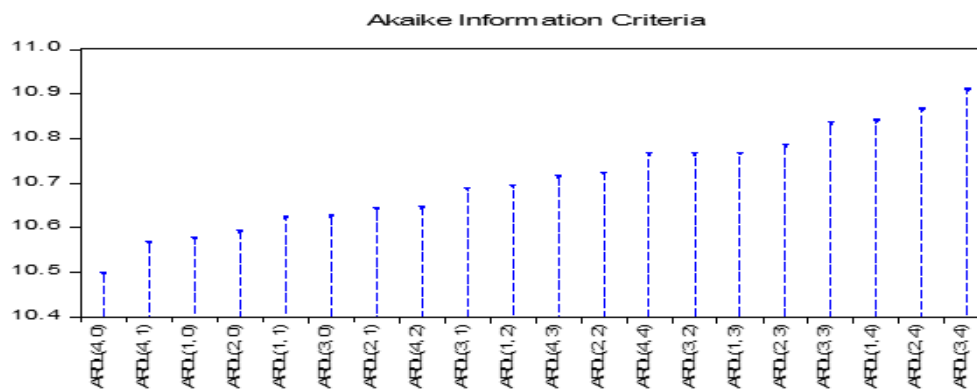
Interpretation:

Table 1 shows that the sectoral investment components of foreign direct investment (FDI) were found to be significantly different at the 5% level when tested using the Augmented Dickey Fuller test. At the 5% level of significance for the first difference, the rule of law, civil liberties, and women in parliament are not significant; however, all three are significant after controlling for stationarity.

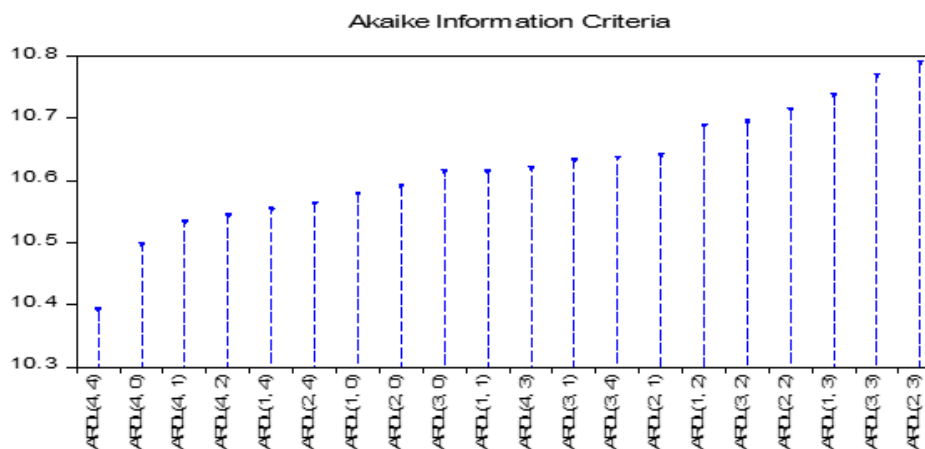
Akaike Information Criteria Graph for Institutional Metrics-Stationarities

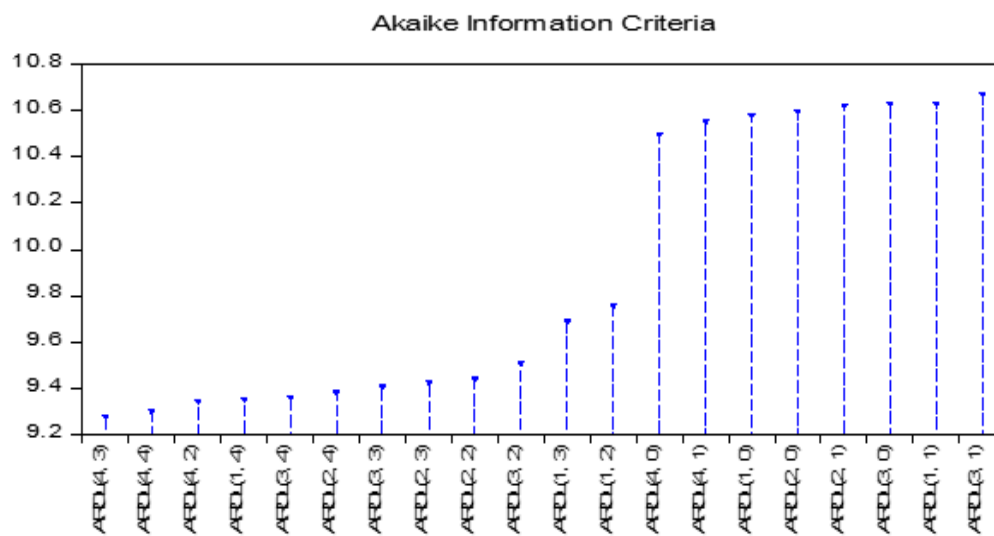
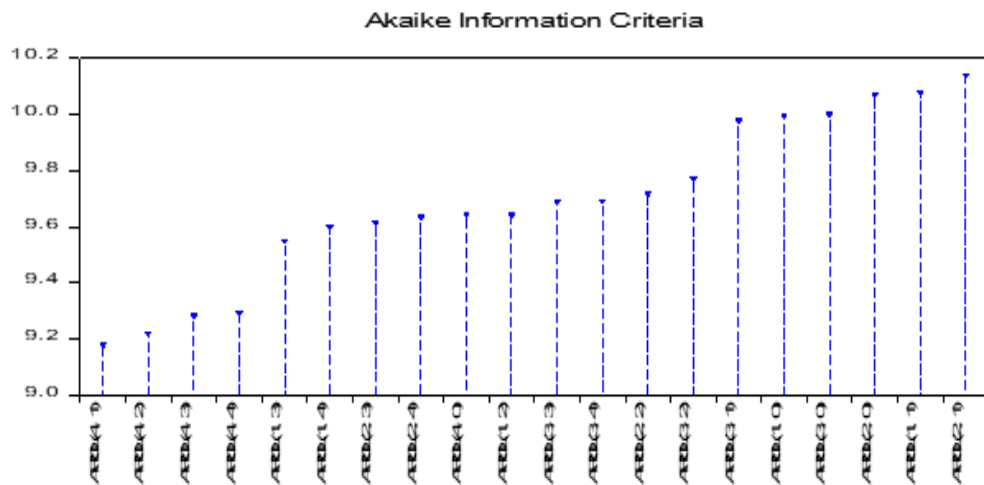
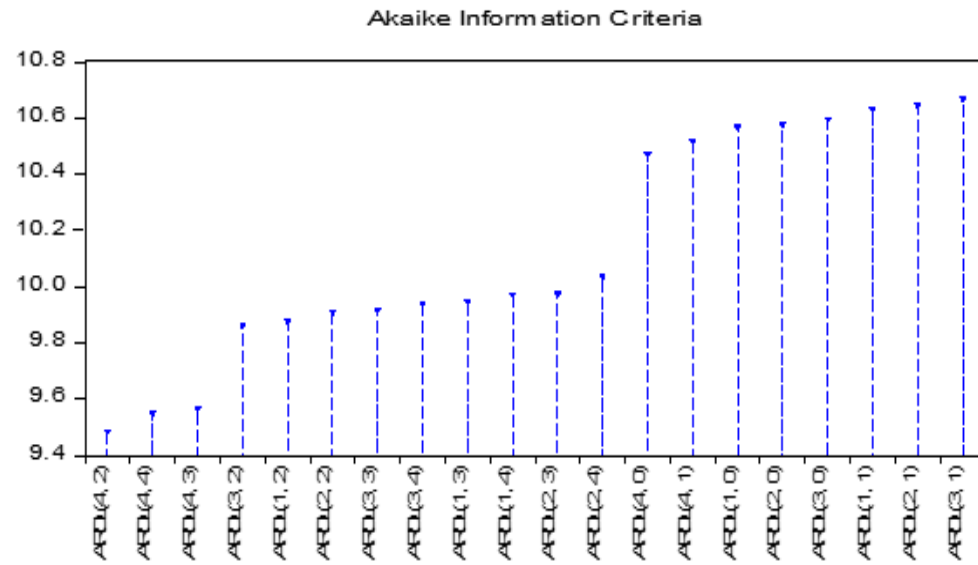


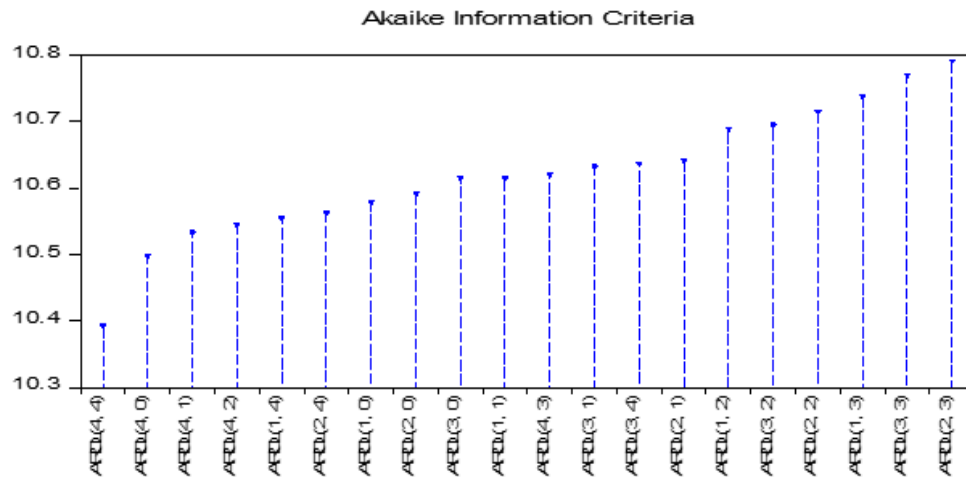
Source: Secondary Data



Source: Secondary Data







Interpretation:

The going with Akaike Data Standards diagram shows the ideal determination rules for the Autoregressive Appropriated Slack model, which is utilized to test the connection among FDI and institutional measures. The diagram lines show the most elevated noticed values around a slack season of 10.7, proposing that the free factor, administrative quality, fits well at this period.

Autoregressive Distributed Lag Model for Institutional Metrics

Dependent Variable: FDI				
Method: ARDL				
Sample (adjusted): 2022-2023				
Included observations: 25 after adjustments				
Dependent lags: 3 (Fixed)				
Dynamic repressors (4 lags, fixed): DINSTITUTIONAL METRICS_OF_METRICS				
Fixed repressors: C				
Variable	Coefficient	Std. Error	t-Statistic	Prob.*
FDI (-1)	0.128767	0.301813	0.426645	0.6753
FDI (-2)	0.210545	0.254029	0.828821	0.4194
FDI (-3)	-0.143687	0.248252	-0.578797	0.5708
DINSTITUTIONAL METRICS_OF_METRICS	234.9695	269.9449	0.870435	0.3969
DINSTITUTIONAL METRICS_OF_METRICS (-1)	37.04804	242.2193	0.152953	0.8803
DINSTITUTIONAL METRICS_OF_METRICS (-2)	-140.0988	257.9650	-0.543092	0.5946
DINSTITUTIONAL METRICS_OF_METRICS (-3)	87.73702	211.4545	0.414922	0.6837
DINSTITUTIONAL METRICS_OF_METRICS (-4)	179.8736	192.4069	0.934860	0.3638
C	7.384580	17.97113	0.410914	0.6866
R-squared	0.537422	Mean dependent var		18.18908
Adjusted R-squared	0.543867	S.D. dependent var		43.41617
S.E. of regression	46.43434	Akaike info criterion		10.78767
Sum squared resid	34498.37	Schwarz criterion		11.22646
Log likelihood	125.8459	Hannan-Quinn criter.		10.90937
F-statistic	0.622682	Durbin-Watson stat		2.136874
Prob(F-statistic)	0.047304			
*Note: p-values and any subsequent tests do not account for model selection.				

Source: Secondary Data

Interpretation:

Foreign Direct Investment (FDI) and Control of Corruption (COCO) are the dependent and independent variables in this model; the consequences of the Autoregressive Disseminated Slack (ARDL) analysis are shown in the table. The positive coefficient values for both variables suggest a positive association between them. Furthermore, with an R-square exceeding 0.30, the independent variables elucidate over 53% of the fluctuation experienced by the reliant variable. With a Durbin-Watson Statistic value ranging from 1.5 to 2.5, the data set does not show any signs of autocorrelation. As a result, we may say that the model is statistically significant and reasonably fit.

Testing the Pesaran Bound for Institutional Metrics Control and Corruption Prevention

F-Bounds Test		Null Hypothesis: No levels relationship		
Test Statistic	Value	Signif.	I (0)	I (1)
			Asymptotic: n=1000	
F-statistic	2.143278	10%	3.02	3.51
K	1	5%	3.62	4.16
		2.5%	4.18	4.79
		1%	4.94	5.58
Actual Sample Size	25		Finite Sample: n=30	
		10%	3.303	3.797
		5%	4.09	4.663
		1%	6.027	6.76

Efficiency in Government

F-Bounds Test		Null Hypothesis: No levels relationship		
Test Statistic	Value	Signif.	I(0)	I(1)
			Asymptotic: n=1000	
F-statistic	2.388343	10%	3.02	3.51
K	1	5%	3.62	4.16
		2.5%	4.18	4.79
		1%	4.94	5.58
Actual Sample Size	25		Finite Sample: n=30	
		10%	3.303	3.797
		5%	4.09	4.663
		1%	6.027	6.76

Political Right Index

F-Bounds Test		Null Hypothesis: No levels relationship		
Test Statistic	Value	Signif.	I(0)	I(1)
			Asymptotic: n=1000	
F-statistic	7.457843	10%	3.02	3.51
k	1	5%	3.62	4.16

		2.5%	4.18	4.79
		1%	4.94	5.58
Actual Sample Size	28		Finite Sample: n=35	
		10%	3.223	3.757
		5%	3.957	4.53
		1%	5.763	6.48
			Finite Sample: n=30	
		10%	3.303	3.797
		5%	4.09	4.663
		1%	6.027	6.76

High-Quality**Regulation**

F-Bounds Test		Null Hypothesis: No levels relationship		
Test Statistic	Value	Signif.	I(0)	I(1)
			Asymptotic: n=1000	
F-statistic	7.612909	10%	3.02	3.51
K	1	5%	3.62	4.16
		2.5%	4.18	4.79
		1%	4.94	5.58
Actual Sample Size	28		Finite Sample: n=35	
		10%	3.223	3.757
		5%	3.957	4.53
		1%	5.763	6.48
			Finite Sample: n=30	
		10%	3.303	3.797
		5%	4.09	4.663
		1%	6.027	6.76

Rule of Law

F-Bounds Test		Null Hypothesis: No levels relationship		
Test Statistic	Value	Signif.	I(0)	I(1)
			Asymptotic: n=1000	
F-statistic	22.45647	10%	3.02	3.51
K	1	5%	3.62	4.16
		2.5%	4.18	4.79
		1%	4.94	5.58
Actual Sample Size	28		Finite Sample: n=35	
		10%	3.223	3.757
		5%	3.957	4.53
		1%	5.763	6.48
			Finite Sample: n=30	
		10%	3.303	3.797
		5%	4.09	4.663
		1%	6.027	6.76

Interpretation:

These variables are listed in the following table: long-term and short-term correlations between foreign direct investment (FDI) and government performance, political stability, regulatory quality, civil liberties, gender representation in parliament, accountability and voice, transparency, and the outcomes of the Pesaran Bound and Wald tests.

11. CONCLUSION:

The study recommends that policymakers should prioritize optimal utilization of funding and ensure the timely implementation of projects. The Indian government must maintain investor trust by imposing stringent regulations on wasteful bureaucracy if the country is to receive more foreign direct investment, red-tapism, and rampant corruption. Finally, the government must ensure quality FDI inflows rather than its magnitude. Policymakers must ensure transparency and consistency in policy making, as well as an integrated long-term development strategy. The study also suggested that the government should take faster action to improve the country's infrastructure to further diversify its businesses. 3. Put simply, it is expected that this will stabilize the economy and create a source of income, It will lead to better financial circumstances, less difficulty with exports, stable currency rates, increased national savings and foreign reserves, increased R&D, decreased inflation and interest rates, and so on.

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