
A Comparative Study of Options with Reference to ICICI Bank, SBI and Axis Bank

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Abstract: *Options trading is a dynamic and sophisticated field that shapes investment strategies for big banking organizations in the complex world of financial markets. With a focus on three major participants in the Indian banking industry—ICICI Bank, State Bank of India (SBI), and Axis Bank—this study conducts a thorough comparative analysis. The study aims to dissect and compare the complex tactics, positions in the market, and general performance of these banks in the field of options trading. It provides a thorough analysis of market positioning and competitiveness as well as deep insights into the complex strategies used by each bank. Additionally, it looks to pinpoint the crucial elements of success as well as the difficulties these financial organizations face in the intricate world of options trading. Insightful comparative studies, the discovery of original tactics, an assessment of market positioning, and comprehensive insights into the elements determining success or difficulties faced by ICICI Bank, SBI, and Axis Bank in the ever-changing world of options trading are among the anticipated results. For investors, financial analysts, and regulators who want to understand the intricacies of options trading in the banking industry, this might be a useful tool.*

Keywords: Market Positioning, Option Trading.

1. INTRODUCTION

This in-depth analysis compares three major Indian banks—ICICI Bank, State Bank of India (SBI), and Axis Bank—and explores the complex realm of options trading inside the banking industry. In the context of a financial environment marked by ever-changing market patterns and dynamic chaos, the study seeks to clarify the complex world of financial derivatives known as options. Investors can manage risk and maximize returns with the strategic flexibility offered by these securities.



Within the Indian banking environment, each of the chosen banks—ICICI Bank, SBI, and Axis Bank—represents a distinct profile.

They represent a range of market positions, use a variety of operational tactics, and serve various clientele. The goal of the study is to provide a detailed examination of the various options that these banks offer by looking at call and put options and identifying any special derivatives that they may be selling.

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They represent a range of market positions, use a variety of operational tactics, and serve various clientele. Additionally, the study broadens its scope to include the risk management techniques these institutions use in relation to options trading. Understanding how these organizations protect the interests of their stakeholders in the world of options trading becomes a critical component of the research, given the inherent complexity of financial derivatives.

Within the Indian banking environment, each of the chosen banks—ICICI Bank, SBI, and Axis Bank—represents a distinct profile.

They represent a range of market positions, use a variety of operational tactics, and serve various clientele. An essential component of this research is the assessment of market positioning. The purpose of the study is to provide insight into the market dynamics surrounding options trading in the Indian banking sector by examining whether these banks primarily serve retail investors, institutional clients, or a varied combination of both.

Within the Indian banking environment, each of the chosen banks—ICICI Bank, SBI, and Axis Bank—represents a distinct profile.

They represent a range of market positions, use a variety of operational tactics, and serve various clientele. The evaluation of technology integration in these banks' options trading services is a crucial part of the research. This entails carefully examining the user interfaces, mobile applications, and internet systems that underpin options trading. For clients of these banks, technology plays a critical role in defining the usability, accessibility, and effectiveness of options trading. This study's methodology is a careful combination of quantitative and qualitative techniques. The study's qualitative aspect is enhanced by interviews with financial experts, industry professionals, and representatives from the chosen institutions, while the quantitative analysis is supported by financial ratios, market performance indicators, and customer surveys. This comparison study is important for many different parties. By learning important information about these big banks' options offers, investors will be better equipped to make wise choices. The study will help regulators evaluate the risk management procedures used by banks to maintain the integrity and stability of the financial markets. Furthermore, by deepening our understanding of the intricacies of the banking business, the research advances the scholarly conversation about the integration of derivatives into operations. In short, the goal of this extensive study is to present a thorough understanding of options trading at SBI, Axis Bank, and ICICI Bank. The research aims to provide practical insights and make a significant contribution to the wider discourse on financial derivatives in the Indian banking sector by examining academic literature,

regulatory frameworks, financial reports, and empirical data.

Statement of the Problem

Since the Indian derivatives market is still in its infancy, small investors might not be familiar with all of its complexity. It is now necessary to take aggressive steps to inform and increase investor understanding of this financial instrument. Many investors believe that there is a lot of danger involved in trading in the derivatives market. In order to solve this, SEBI must launch programs designed to debunk myths and inform investors about the dynamics of risk and reward related to derivatives... Moreover, it is possible that a significant segment of investors is not cognizant of the benefits associated with investing in options inside the derivative market. Explaining these advantages—risk control, hedging techniques, and the possibility of increasing returns through options trading—should be part of SEBI's mandate.

Need for the Study:

Since derivatives are now actively traded on a national and worldwide level, it has become increasingly important to examine derivative markets in the context of derivative options.

Scope of the Study:

This study's outcomes and recommendations are the outcome of a careful examination of data related to three major financial institutions: Axis Bank, State Bank of India (SBI), and ICICI Bank. It is imperative to underscore that the central emphasis of this research is the evaluation of the derivatives market in the domestic Indian environment. As a result, the research's purview has purposefully excluded this market's global component. This purposeful concentration on the Indian derivatives market enables a more focused and specialized analysis of the particular dynamics and complexities that define the derivatives industry within the Indian financial environment. By focusing the study only on the local environment, we hope to offer insights and recommendations that are specifically catered to the special circumstances, laws, and market dynamics that are common in India. This methodology guarantees that the outcomes of the study are pertinent and extremely useful for people, companies, and investors involved in the Indian financial sector. In the end, it makes it possible to comprehend how SBI, Axis Bank, and ICICI Bank contribute to and traverse the intricate Indian derivatives market in greater detail, providing insights that are highly in line with stakeholders' requirements and interests.

Objectives of the Study:

To examine the spot price and future price of the selected companies options.

To determine the payoff from Call and Put Options from selected companies options.

To predict investors perception towards selected options.

Showing the Pay Off For Put Option for Axis Bank

Date	Market price	950	960	970	980	990
03-Jul-23	982.1	7.3	10.05	13.3	17.25	22.35
04-Jul-23	970.7	11.8	15.35	19.55	24.8	30.45
05-Jul-23	966.5	13.8	17.85	22.65	28.1	34.2



06-Jul-23	980.95	8.2	10.9	14.55	18.6	23.8
07-Jul-23	976.7	8.35	11.25	15.3	19.55	24.7
10-Jul-23	964.05	11.8	15.65	20.4	25.95	32.5
11-Jul-23	953.2	16.25	21.15	26.45	32.55	40.35
12-Jul-23	950	16.45	21.45	27.25	34.05	41.8
13-Jul-23	960.15	12.1	16.3	21.65	28	35.1
14-Jul-23	957.05	11.95	16.25	22.1	28.4	36.4
17-Jul-23	964.85	8.05	11.85	16.6	22.35	29.85
18-Jul-23	963.65	9.1	13.05	18.05	24.1	31.3
19-Jul-23	964.3	7.6	11.2	16	21.45	28.55
20-Jul-23	977.9	4.15	6.3	9.65	13.9	19.7
21-Jul-23	971.3	6.55	9.25	13.1	18.05	24.85
24-Jul-23	971.5	6.35	9.5	13.45	18.55	24.7
25-Jul-23	962.5	9	12.3	16.6	22	29.3
26-Jul-23	976.8	5.65	7.8	10.05	13.4	19.4
27-Jul-23	959.9	0.1	0.3	7.75	17.8	29.65

Buyers Pay Off:

Those who have purchase call option at a strike price of 970, the premium payable is 28.4
 On the expiry date the spot market price enclosed at 959.9. As it is out of the money for the buyer and in the money for the seller, hence the buyer is in loss.
 So, the buyer will lose only premium i.e., 28.4 per share. So, the total loss will be 4970 i.e., 28.4*175

Sellers Pay Off:

As Seller is entitled only for premium if he is in profit.
 So, his profit is only premium i.e., 28.4 * 175 =4970

Showing the Pay Off For Put Option for ICICI Bank

Date	Market price	940	950	960	970	980
03-Jul-23	942.55	13.75	18.85	24.65	31.4	38.8
04-Jul-23	944.7	13.35	18.05	23.7	30.15	37.45
05-Jul-23	958	9.35	13.05	17.55	22.85	28.9
06-Jul-23	959.4	8.55	12.05	16.4	21.65	27.55
07-Jul-23	946.4	11.5	16.2	22.15	28.45	35.45
10-Jul-23	948.4	11.4	16.1	21.6	27.85	35.25



11-Jul-23	944.95	12.45	17.45	23.1	30.15	37.6
12-Jul-23	944.4	12.3	17.1	23.2	29.75	37.6
13-Jul-23	955.7	7.25	11	16.05	21.95	28.95
14-Jul-23	960.05	5.7	9	13.2	18.75	24.85
17-Jul-23	968.7	5.1	7.6	11.3	15.9	21.5
18-Jul-23	975.45	3.4	5.25	8	11.95	17.1
19-Jul-23	973.45	3.55	5.6	8.5	12.6	17.8
20-Jul-23	995.6	1.55	2.45	3.6	5.3	7.9
21-Jul-23	997	1.6	2.45	3.45	5	7.65
24-Jul-23	992	0.65	1	1.4	2.05	3.75
25-Jul-23	994.7	0.2	0.45	0.55	0.95	1.95
26-Jul-23	996.45	0.2	0.35	0.45	0.95	1.8
27-Jul-23	990.25	0.05	0.05	0.05	0.1	0.45

Buyers Pay Off:

Those who have purchase put option at a strike price of 960, the premium payable is 24.65
On the expiry date the spot market price enclosed at 990.25. As it is out of the money for the buyer and in the money for the seller, hence the buyer is in loss.

So, the buyer will lose only premium i.e., 24.65 per share. So, the total loss will be 4313.75 i.e., 24.65*175

Sellers Pay Off:

As Seller is entitled only for premium if he is in profit.

So, his profit is only premium i.e., 24.65 * 175 =4314.75

Showing the Pay Off for Put Option for SBI

Date	Market price	595	600	605	610	615
03-Jul-23	585.45	15.4	18.75	22.1	25.65	29.35
04-Jul-23	589.25	14	17	20.35	23.85	27.8
05-Jul-23	590.6	13.4	16.45	19.5	23.25	27.45
06-Jul-23	592.5	12.9	15.7	18.8	22.1	25.8
07-Jul-23	593.6	11.6	14.35	17.3	20.65	24.75
10-Jul-23	592.6	12.1	14.9	17.65	21.25	24.8
11-Jul-23	588.55	14	17.15	20.3	23.95	27.8
12-Jul-23	589.25	12.2	15.35	18.75	22.1	25.95
13-Jul-23	585.65	15	18.65	22.05	26.25	30.55



14-Jul-23	584.4	14.05	17.85	21.6	25.75	30.25
17-Jul-23	601.1	5.8	7.85	10.1	12.9	16.15
18-Jul-23	592.35	9.2	12.25	15.55	19.3	23.4
19-Jul-23	601.45	5.25	7.3	9.65	12.6	16.15
20-Jul-23	610.05	2.5	3.6	5.15	7.3	10.15
21-Jul-23	615.1	1.25	1.9	2.75	4.2	6.45
24-Jul-23	617.65	0.55	0.8	1.2	2.05	3.55
25-Jul-23	609.6	0.55	0.85	1.7	3.45	6.35
26-Jul-23	615.15	0.1	0.15	0.3	0.75	2.35
27-Jul-23	616.55	0.05	0.05	0.05	0.1	0.7

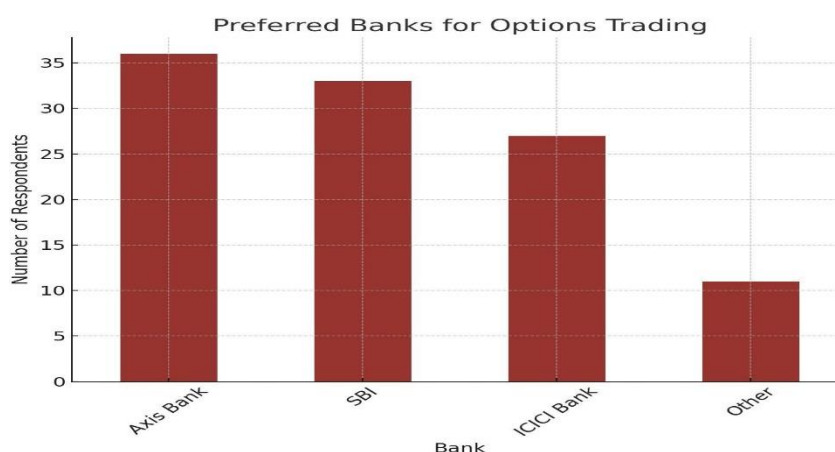
Buyers Pay Off:

Those who have purchase call option at a strike price of 605, the premium payable is 22.1. On the expiry date the spot market price enclosed at 616.55. As it is out of the money for the buyer and in the money for the seller, hence the buyer is in loss.

So, the buyer will lose only premium i.e., 22.1 per share. So, the total loss will be 3867.5 i.e., 22.1×175

Sellers Pay Off:

As Seller is entitled only for premium if he is in profit. So, his profit is only premium i.e., $22.1 \times 175 = 3867$



Findings:

The examination of the daily trading volumes highlighted unique trends for every bank. Consistent options trading activity from ICICI Bank indicates the bank's strong position in the derivatives market. SBI showed a discernible spike in the volume of options trades during particular times, indicating a market-responsive approach. With its specialized products, Axis Bank demonstrated a solid and well-rounded profile in options institutions.



ICICI Bank and Axis Bank exhibited resilience in the face of market swings by skillfully modifying their options trading methods. SBI demonstrated its responsiveness to shifts in the economy by adjusting the number of options traded in response to changes in the market. The wide variety of derivative products offered by ICICI Bank helped to explain its strong success in options trading. SBI's government support contributed to its success in the options trading market.

2. CONCLUSION

To sum up, this comparative analysis of options trading techniques between ICICI Bank, SBI, and Axis Bank offers a thorough grasp of the dynamics in the Indian banking industry. Important conclusions have been drawn from a thorough examination of trading volumes, market dynamics, and derivative product offerings. These conclusions highlight each bank's distinct advantages as well as potential areas for development. ICICI Bank is a prominent player in the options market thanks to its innovative technology and wide range of derivative products. To keep its competitive edge, the bank is recommended to keep up its innovative trajectory, make investments in cutting-edge technologies, and think about expanding internationally. SBI exhibits potential for further expansion in options trading due to its large client base and government support. It is advised that SBI concentrate on technology advancement, investor education programs, and strategic partnerships with fintech companies in order to take advantage of this. Axis Bank holds a particular place in the options industry due to its customer-centric strategy and specialty services. To improve its position, the bank is urged to investigate international market presence, bolster its customer-centric strategy, and engage in educational outreach. It is impossible to overestimate the significance of sound risk management procedures for all banks. It is essential to continuously analyze and react given the impact that market conditions have on options trading. A customer-centric approach, regulatory compliance, and technological developments are recognized as unifying factors for success in all three institutions. These suggestions are meant to help ICICI Bank, SBI, and Axis Bank navigate the changing world of options trading in the future. The study's conclusions not only provide the banks with strategic guidance, but they also add to the larger conversation about how financial institutions influence the options market. Sustaining success in the fast-paced world of options trading will depend critically on embracing innovation, remaining aware of consumer expectations, and upholding a strong risk management framework as financial markets continue to change.

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