

"A Study on Commodity Trading" under the Indian subcontinent

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ABSTRACT:

The financial services industry in India is developing at a fast pace, making it one of the world's most dynamic economies. Economic liberalisation began in 1991, and since then, the industry has seen a dramatic shift. Over the last decade, the Indian capital markets have witnessed a major shift. India is currently one of the world's more established marketplaces. India has the third-largest investor base in the world, behind the United States and Japan, with over 20 million stockholders. Indiabulls is the country's top financial services and real estate company, with over 640 branches throughout the country. Financial services and products including securities, derivatives trading, depositary services, research & advisory services, consumer secured & unsecured credit, loan against shares, and mortgage & housing financing are offered by Indiabulls to more than 4,50,000 consumers. For five weeks, we worked at Indiabulls Securities Ltd, Jayanagar branch, Bangalore. We were given the opportunity to participate in the day-to-day operations of the company by making sales calls to prospective customers and persuading them to buy our goods. When necessary, we had to meet them face-to-face. Online trading was also a part of our business.

INTRODUCTION

India is the development of the United States. Now there are many people in the afternoon and it is exciting to invest money in inventories to earn excessive profits and receive taxes honestly. There is a greater probability of a negotiated percentage if the value of shares in India is paid out through more incidents that prevent beliefs. Alternative markets are assessed by providing alternative major crimes to order and ship, on the one hand.

Long-term products are commodities "Positive goods used in our daily lives may be improved as financing techniques. Copper is an exceptional, low-value mineral conductor. For our breakfast and bread, wheat is used. Gold that redesigns the reloads, reloads, jewels and power it's delicate. It's delicate. Our engines are a variety of products offered on world-renowned stock exchanges.

India Bulls Ltd • India Bulls Ltd. India Bulls Ltd. Are you a US financial consultancy and brokerage leader? Alternative assets and investment fund financing, portfolio offers and other assets of private equity. The company owner thus decided to study the change in goods.

History of industrial goods.

The greatest wealth has traditionally been gained through the trade of products. The stock markets began thousands of years before they existed. The Bombay Cotton Trade Association transformed India's first future market in 1875 into a conversion

- India had a huge future market for various commodities, like peanut oil, wheat, rice, crude jute and precious metals, gold and silver, before World War II erupted and so on. In India in the 1960s, commodity futures were regarded to be a fairly efficient trading market.
- In most commodities in the mid 1960s, wars, natural disasters and the resulting shortage of merchandise, purchases and future sales were banned.
- Three years have passed before the reappearance on the Indian market of commodity futures. This long wintering of the future of commodities in India has become a "time off."

The ATM roll-out again targeted at exchanging commodity expansion in future. • In 1993, he joined the committee to investigate the sale and purchase of future commodities contracts for various products. This allowed the purchase and sale of 16 commodities and their future contracts, and international oil and pepper transactions were completed in 2002. India has 20 exchanges of commodities, 42 items agreed and global Pepper and wheel support contracts signed. Petroleum.

- In chronological order, Indian product data is generated.
- 1875 - Mumbai Cotton Trade Association.

- Bullion 1920 - Futures Market in Mumbai. 1952 Law (Contracts).
 - 1975 - Future contracts for sale and purchase are banned.
 - 1980 Recommendations from the Kherson Commission.
 - 1997 • Trading in commodities certainly resumed.
 - 2003 NMCE grants from the government.
- Reasons for failure of the alternative product to date:
- Low liquid content commodities exchange.

- Open buying and sales cries that restrict and prevent you from acquiring and selling in confirmed areas.
- Q. Broad-scale.
- Speculators are dominated by the insufficient participation of hedging operators, leading to risks increasing for businesses, taking into account the synthesis between the physical and future contracts.
- Ineffective compensation and agreement procedures.
- Lack of infrastructure, logistics and money.

Recent Developments

- Across 2002 the FMC, the Indian commodity trade regulatory framework, collected groups of companies/consortia (already composed of authorized exchanges) for the purpose of putting multi-product trading (MCX) throughout the U.Q.A.

The objective has become an effective change to products at national level which may provide responsible discovery and a risk of cargo handling to all people involved in the route of the product group.

- The problem of replacing single low liquid items was addressed. The current trades will allow two products to be exchanged on reputed commercial platforms.

The goal was once again to increase trade in commodities futures with deregulation of the banking sector. In 1993, the Al-Kabra Committee was established to analyze the sale and acquisition of future contracts for goods for various products. As a consequence, 16 goods and future contracts were acquired and sold and petroleum and pepper futures traded globally for 2002. India has 20 commodity marketplaces, transacted around 42 commodities and global agreements have been made on pepper and wheel. Petroleum.

Indian product records are presented chronologically.

- 1875 - Mumbai Cotton Trade Association.
- 1920 potential bullion market - Mumbai.
- 1952 Law (Contracts).
- 1975 - Trading is prohibited in the future.
- 1980 Recommendations from the Kherson Commission.
- 1997 - Commodity trading resumed favorably.
- Government financing in 2003 for the creation of the NMCE.

Reasons for the failure of the product exchange future:

- Low liquidity exchange of specific products.

Open sales and sell shouts that restrict purchasing and selling activities in certain regions and prohibit large-scale entry to the country.

Inadequate participation by hackers in speculators results in an increase in business risk as integration between the current market and future contracts is limited.

Ineffective techniques of settlement and clearing.

- Lack of infrastructure, logistics and money.

Recent Developments

In 2002, the Future Market Commission (FMC), India's regulatory commodities trading authority, encouraged associations/agencies/consortiums (including authorized exchanges existing) to implement a multi-product (MCX) exchange throughout the nation.

The goal was to create an efficient national exchange of commodities that would allow everyone engaged in a commodity institution to identify and manage the risk of freight responsible.

The problem of the trade of unmarried liquidity items has been addressed. Existing trade will allow the trade of two products in well-known commercial structures

REVIEW OF LITERATURE

Subodh K. Das, W. Jerry Long, H. Wayne Hayden, John A. S. Green and Warren H. Hunt Jr (1992)

Abstract: In recent decades a significant interchange has taken place within the geographical distribution of primary aluminum production, often driven by power issues, while the energy efficiency of this process has improved. Meanwhile, the aluminum output of secondary assets in the United States increased nearly tenfold. This paper examines historical and anticipated changes in the destination, focusing on the power adjustments of financial savings, since the business is increasingly reliant on conversion and less on primary production.

Gregory, Jargon, Marie, (2019) CONAGRA TO SELL ITS COMMODITIES-TRADING BUSINESS.

Abstract: Osprey Management LLC supervisor said that he would acquire and sell \$2.1 billion of ConAgra Foods Inc. commodities. The paper examines the developing commodity balance, commodity rates, and anticipated outcomes from the sale of ConAgra shares and investment expenses.

Victor, Vendrell, JoMAY M, Martínez de Albéniz (2019), Product trading in several markets:

Conclusion: don't forget a dealer who buys and sells an item on a market somewhere else. The merchant intensifies: the quantity of purchases and sales is restricted by operational constraints such as logistics. However, the disparity in both markets is minimised when purchasing and selling. They want to discover the most effective commercial policies on the market to optimise long-term earnings, taking into consideration that the purchasing and selling pastimes influence price techniques, i.e., market electricity. As with an energy market lacking, they find that the best quality policy is established in three areas, where 1) it is spread from one market to another as far as feasible; 2) it is distributed as equal as possible in the opposite manner. Or 3) Do nothing. Do nothing. Use the version to evaluate the kerosene load disparities between New York and Los Angeles.

Greg N. Gregarious (2005) Business consultants for commercial efficiency utilising packaging data analysis

Conclusion: remember that the efficiency of consultants in the purchase and sale of goods (CTA) between January 1998 and June 2004. The 90 major commercial agreements authorized are evaluated utilizing a basic data analysis model noticed in the remarkable ways of competitiveness and efficiency. CTAs are supplied with an excellent performance assessment and the findings show that just a handful of CTAs are suitable for decreased circulation in order to obtain the maximum level of compound output.

The conceptual foundation for the purchase and sale of commodities and derivatives

Visibility of the derivatives market, particularly in the future, future and options, comes back to the will of business traders who move away from the danger of safeguarding themselves against the uncertainty caused by tariff changes. Economic markets are by their very nature characterized by a high level of volatility.

Miles may partly replace the risks of rates with asset insurance rates by utilizing derivative products. In general, these techniques do not influence variations in underlying asset rates as tools for threat control. Derivatives decrease the effect on profitability of fluctuating asset values, and currencies harm purchasers who refuse to accept the danger.

INDUSTRY PROFILE

The main metal business of Aditya Birla Group, India Bulls Industries Limited, is a prominent aluminium and copper firm. Angel Bowles is the biggest aluminium rolling company in the industry and one of the leading manufacturers of primary aluminum in Asia, a powerful metal centre with an overall turnover of Rs 60,008 (\$15 billion). The biggest custom foundry in a single area is copper smelting.

Indian Bulls was established in 1958 and started running aluminum plants in the eastern United States of Reno kit. 1962. in 1962. The company's position in alumina, aluminum and copper, was solidified at low costs via further acquisitions and merges with Tindal, Birla Copper, Nifty and Mt. Gordon in Australia, while vertical integration through the acceptance of concentrated copper.

In 2007, Novelis Inc. purchased, in a landmark record for an aluminum business in India, a global leader in the aluminum sector, and may be recycled. Novelis is a fabricator of low-cost aluminum facilities and metal combined with high-quality capabilities, and has a worldwide presence in 19 foreign sites outside India, classified by India Bulls as one of the world's top aluminum firms. Its total volume of sales is 15 billion dollars and is included in the Fortune 500 list.

Milestones

2010 Novelis was successfully purchased, making India Bulls the leading in the aluminum sector with a presence in 11 countries outside India and most of the top five worldwide metal firms.

The purchase of the 45 Alcan businesses in accordance with one hundred shares participating in Tubal Alumina Challenge, making India Bulls 100% of the mission. 2006 India Bulls announces the divide 10:1 share. Each percentage has a nominal Rs. 10 in rate.

Brownfield expansion of metal capacity at Renukoot to 242,000 tpa.

1998 Foil plant at Silvassa goes on stream.

India Bulls attains ISO 14001 EMS certification.

1995 Mr. Kumar Mangalam Birla takes over as Chairman of Indal Board.

1991 Beginning of major expansion programme.

1967 Commissioning of Renukoot power plant – a strategic and farsighted move.

1965 Downstream capacities commissioned (rolling and extrusion mills at Renukoot)

1962 Commencement of production at Renukoot (Uttar Pradesh) with an initial capacity of 20,000 mtpa of aluminium metal and 40,000 mtpa of alumina.

1958 Incorporation of India Bulls Industries Limited.

India Bulls Businesses

India Bulls has a leading position in aluminum and copper in India. In all parts of the nation, the aluminum business covers the whole range of activities including bauxite mining, aluminum refining, aluminum rolling, extrusions, foils, alloy wheels, captive factories and coal mines. Birla Copper manufactures copper cathodes, continuous cast copper bars and various by-products, including as gold, silver and DAP fertilizers.

Aluminum

India Bulls was one of the first alloy wheel businesses to be certified to the strict standards of the automotive industry with ISO/TS 16949. In India, Indian Bulls is a leader in aluminum, primary aluminum and downstream products. Besides being a dominating participant on the local market, the goods of India Bulls are highly recognized on foreign markets. Exports account for almost 30% of overall sales.

Indian Bulls main products are standard grade alumina and hydrates and specialty grades, aluminum ingots, wire billets, flat rollers, extrusions, foil and alloy wheels.

Copper

Birla Copper, an Indian Bulls unit is situated in Gujarat's Dams. The plant stands out as the world's biggest copper smelter in a single site with a capacity of 500,000 tpa with many world class technology. Installations Mix copper smelters, precious metals, fertilizers, sulfuric acid, caught energy flows, utilities and a detention centre together.

India's Birla Copper Bulls has been a popular copper cathodes manufacturer and non-stop casted copper rods with ISO-9001: 2000 (quality management structure), ISO-14001: 2004 (environmental management system) OHSAS-18001: 2007 (management systems)

Mine

In Australia, copper mines were purchased in 2003. The Birla Nifty Mine comprises of an open mine, washing platforms and an electricity and solvent extraction plant (SXEW) producing a copper cathode. Birla Nifty's copper cathode has an annual capacity of 25,000 tonnes. The procedure of open pit drilling was in 2006. Nifty manufactured five, 119 tons of copper cathodes during fiscal 2019. The lowest levels of the Nifty open pit mine are located at the copper supplied deposits, and an underground mine and concentrated mine has been created to become an overwhelming and technological mine. Operation Nifty Sulfide started in December 2005 to halt production of ore and ended production in March 2006. Nifty generated 53,337 tons of copper to listen to in fiscal 2019. India Bulls is one of the leading local metallurgical participants: aluminum and copper. The product line of this Division comprises aluminum chemicals, aluminum primary alloys, and rods, threaded rods, rolled goods, sausages, aluminum sheets and wheels.

The Agency has an important market share in all its areas. It has a nationwide market share of 42% in basic aluminum, 63% in rolled goods, 20% in withdrawals, 44% in aluminum foil and 31% in wheels according to the age.

India Bulls has introduced many companies in recent years to grow the market for loading goods and services, including Aura for alloy wheels, Freshwrap for paper towels and ever last for roof tiles. Our unique showroom, Aluminum Showroom, aims to showcase the products of India Bull to its clients. It is an organization's platform to showcase first class goods in the finest setting in a high-quality target market. The listings include items like windows, doors, tapestries, staircases, ceilings, ceiling panels and covers.

Obtaining Indian bulls properly today is not the easiest on the local market but the world market as well. The steel firm is often used for light shipping under the LME aluminum quality agreement. The business exports roughly 17 stages with 100% of the entire volume of aluminum sales.

Employer Alumina Chemical Trading Corporation is a major manufacturer, marketing and marketing business in the United States for alumina products and specific hydrates. In the United States of America, it has a significant market share. These specialized goods are widely used in different sectors including water treatment chemicals, refractory products, ceramic, crinoline, glass, fillers, plastics, conveyor belts, cables, etc. The business also sells chemical alumina to North America, Western Europe and Asia in more than 30 nations.

Birla Copper, Bull India's copper subsidiary in Dams in Gujarat, plays a prominent role in India, reaching more than 40 per cent of the local market share in the next three years after its inauguration. Export markets in the Middle East, Southeast Asia, China, Korea and Taiwan have also been successful.

India Bulls Limited Commodity Trade

You may trade BSE and NSE in the market and currency sector, as well as derivatives, using Money Ore Merchant Station (F&O). By clicking, all features and functions you may need to purchase and sell at any time, including DP online access and a ledger.

Technology to use

How a Smartphone and a daily PC may share a life is nearly fantastic. Use the sophisticated data compression era, perform your tasks quicker than you can. Add to this a high-quality 198-bit SSL safety, unparalleled speed and unsurpassed safety. The symmetric generation also reproduces past / daily charts, persistent transfer rates, which can be seen with a click and much more.

COMPANY PROFILE

India Bulls modified its debut with SEBI REGN on 11 May 1999. Don't do it!: Building No. 24, First Floor, Nylon Limited Complex, Western Express Highways, Gorgon (E), Mumbai — Four Hundred 063. INB 2311097545 and code number: 10975. Wwww.Indiainfoline.Com is India's premier business and

financial information website. The website provided top level data and analysis for the free average person up to three individuals in advance. The website was greatly reacted to and examined since BBC World is India's biggest cash content website on the Internet: Money Watch, Business World, Business Line and others. At addition, the organization received the Golden Mouse Award for the finest website on the internet in India Internet World 2000. In May 2001 our website was converted to an Asia Investing category of the 200 top online listings for Forbes Global. We were the sole site in every category in India. He has since been nominated for this list twice. In their final assessment the Forbes editors said "www.Indiainfoline.Com is a necessity for South Asian investors..." Our findings are also published by Bloomberg, Investment, First Call/Thomson Financial and Internet Securities online. We were accustomed to be regarded one of the biggest reading rooms in Asia at First Call / Thomson Financial and this is proof of the quality and timeliness of our reviews.

The services on the site include a combination of records and transaction services. Transaction services consist of union funding, non-governing loans and online agents through www.5paisa.Com. Indian Bulls became the first institution in the United States to provide several of these offerings. We have been a significant player in online business in providing online shopping and selling services with a big proportion of the market.

The Group employs 4,000 people, the greatest number of which is allocated to its several subsidiaries across India. India about Bulls is a one-stop shop for financial products and services, highly recognized for its finest advice, devoted carriers and advanced technology.

Your creativity and academics in economic services Bulls Ltd would be India's most renowned institution. BullsLtd India is indexed in all of India's major stock exchanges. The Bourse, Mumbai (BSE) and the Stock Exchange (NSE). India Bullsgroup comprises of a complete cash package with a range of services, from capital studies, stock and derivative trading, buy and sales of fundamental goods, management services portfolio, mutual funds, life insurance and deposits. Fixed notes, Goad and a number of modest savings units for mortgage and investment banking products. India Bulls also owns websites, www.Indiabulls.Com and www.5paisa.Com, and runs them.

India BullsLtd is a publicly listed company that is subject to SEBI regulation (Securities and Exchange of India). Conduct an inventory survey, that is "better than the web" and "... should be read to purchasers in Asia" on any of the lists except Forbes.

Research by Engels Bowles is accessible not only online, but also in global cable services like Bloomberg (codename: IILL), Thomson First Call and internet bonds, as one of the leading brokers investigating Indian brokers.

Its many branches have unique trade consequences and are thus regulated by regulatory agencies alone. The Indian Bulls Ltd subsidiary is India BullsSecurities Pvt Ltd, a wholly owned subsidiary of India BullsLtd, which operates within Portfolio Management Services securities agencies and agencies.

It has the significance of all major exchanges in India. The Bourse, Mumbai (BSE) and the Stock Exchange (NSE). The company provides broker offerings in the cash and derivatives sectors of NSE and in the cash sector of BSE. A SEBI Legal Portfolio Manager and offers customers with portfolio management services. These services are provided to customers as one of the finest schemes, which may mainly be based on numerous investment methods that represent the various threat return possibilities.

Pvt Ltd. Indian Bulls Commodity.

India Bulls Commodities Pvt Ltd is the wholly-owned Indian Bulls Ltd subsidiary operating inside the commodities broker company. Our brokerage ideals have enabled us to develop new technologies and skills.

India Bulls Deal Co Ltd. (IILD)

Indian Bulls.com Distribution Co Ltd. is a wholly owned Indian BullsLtd subsidiary and involved in the distribution of Mutual Funds, IPOs, Fixed Deposits and other small-scale products. It is one of the biggest 'seller-independent' distribution companies, and has a broad presence throughout India with over 232 outlets and an enormous amount of 'Foot on the Street.' The quotations cited from professional guidance at your door, the thorough selection and the delivery of checks, were welcomed with customers' positive

remarks and the function of financing money. Our company has expanded to include online distribution of mutual funds, where consumers may see and evaluate offers of unique and bureaucratic goods, which can then be downloaded from the supplier.

Credits and mortgages IILD has also engaged in the distribution of the Corporation's mortgages and loan products during the period 2005-2006. Work continues inside the investment division and we intend on launching business across India's complete network to offer a broad spectrum throughout the nation.

Limited Bulls India Insurance Services

Indian Bulls Insurance Services Ltd is a wholly-owned subsidiary of India Bulls Ltd and an IRDA agent. He is the leading agent of ICICI Prudential Life Insurance Co Ltd, India's biggest NGO life insurance business.

Investment Services Limited Bulls India

India Bulls Investment Service Limited is likewise a wholly-owned Indian Bulls subsidiary. It has an RBI (NBFC) license and provides margin investment services for trading customers.

DATA ANALYSIS & INTERPRETATION

STUDY ON ALUMINIUM

INTRODUCTION

Aluminum is The earth's crust's most plentiful detail. However, it is of greater use in nature to combinations that are highly stable with other substances (notably silicates and oxides) and that have not been converted to 1808 until their existence first altered to their composition.

- Light is aluminium. It has superior density than a third of the metal. Weatherproof aluminium, unique air gases and a large variety of beverages are available. Aluminum is very reflective, thus extra embellishments are utilised. The elasticity of aluminium is high. What is the benefit of inventory load structures?
- Aluminum retains its toughness to very low temperatures and does not become as brittle as carbon steel. It worked easily and trained. Aluminum virtually carries electricity and heat
- Offer and request

- The global picture

- Aluminum is typically the greatest bauxite produced particularly in tropics and subtropics: Africa, the Antilles, South America and Australia. Some deposits are also available throughout Europe.

- The United States, Russia, Canada, the European Union, China and Australia are the principal international locations created.

- In the Gulf nations (Bahrain and the United Arab Emirates), Brazil, Norway, South Africa, Venezuela, India and New Zealand combined make up more than 90 percent of the world's production in primary aluminium.

- North America, Europe and East Asia are the biggest aluminium markets.
- Global production of aluminium is ready 27.7 and 28 million tonnes correspondingly in 2011 and 2019.
- China, Russia, Canada and the United States manufactured about 6.1, 3.6, 2, 46, and 5 aluminium batteries correspondingly in 2019.
- Indian stadium
- India is the sixth biggest aluminium producer in the world.
- The present level of aluminium demand is projected to reach about 3037 million tonnes for all types of bauxite (supply most probable and practical). 7. It is anticipated that the five diagnostic reserves constitute 7% of the overall resources and capacity in 3% of the globe.
- The issue is not simpler than self-sufficiency in terms of order and delivery. But it also has an aggressive export potential. 82,000 tonnes of annual shipments of aluminium from India are ready.

- India consumes about 6.18 lakh tonnes per year and is forecast to reach 7.8 tonnes in 2019. The top aluminium manufacturers in India were BALCO, NALCO, INDAL, INDIA BULLS and MALCO, after ten years. In the public neighbourhood there were two (BALCO and NALCO), while in the personal area there were the other three.
- As a final consequence of the aluminium change liberalisation procedure. India has been an active online exporter of aluminium. Government monopolies and aluminium components are being manufactured to control aluminium distribution and control for the advantage of the private sector. The personal quarter ownership model is cheaper than the prior lengthy costs. With this INDAL grab from INDIA BULLS, you have become a major aluminium producer. Q. A Q.
- Future aluminium markets worldwide
- LME, TOCOM, SHFE and NYMEX are the world's leading aluminium charges marketplaces.
- Factors influencing the market in aluminium:
- In India, aluminium spending is based on London Metal Exchange costs.
- Changes in inventory inventories at warehouses LME, SHFE and TOCOM.
- World output of aluminium mines by exploring new mines and by expanding current mines.
- Economic development of the major consumer nations, including China, Japan, Germany and other countries.

ALUMINIUM Ring Trading Times

First Session

1 st Ring	11:55 – 19:00
2 nd Ring (Official)	19:55 – 13:00
Kerb Trading*	13:15 – 14:45

Second Session

1 st Ring	15:15 – 15:20
2 nd Ring (Official)	15:55 – 16:00
Kerb Trading*	16:15 – 17:00

* Approximate start time for kerb following declaration of the official prices at the end of each metal's morning ring 2.

Contract Specification

Primary contracts for LME aluminium and marketing options The most prolific and controlled non-ferrous steel in the world is aluminium. Its intensity and mobility in the business sphere are acknowledged.

Aluminum offers many different programmes, from drink cans to cars. Total refined production worldwide alone reached more over 23 million tonnes in 2001. The general sales of main LME aluminium contracts and options in 2001 were above 25 million units (625 million tons).

The underlying assumption of physical conveyance is regarded as a key problem in the legitimacy of the initial London Metal Exchange prices. As a consequence, LM aluminium was progressively sold and purchased as a result of the contractor's creation in 1987, which resulted in LME having maximum liquid aluminium contracts worldwide.

TABLE 1
CALL OPTION FOR THE MONTH OF March, 2020

Date	Market Price	STRIKE PRICE			
		195	130	135	140
1-Mar	134.75	21.15	18.8	16.65	19.95
2-Mar	142.5	26.9	24.25	21.8	2.7
3-Mar	135.55	14.1	11.5	5.95	2.7
4-Mar	138.3	15.5	19.65	7.25	3.2
7-Mar	142.2	17.5	14.35	8.8	4.05
8-Mar	145.3	19.55	16.1	19	5.7
9-Mar	145.65	19.4	15.9	10.1	5.6
10-Mar	153.15	25.7	21.7	18	10.45
11-Mar	155.2	34.45	31.15	28.1	18.4
14-Mar	150.05	30.1	27	24.15	14.8
15-Mar	138.2	23.5	21	18.75	10.4
16-Mar	137.1	22.15	19.65	17.45	9.3
17-Mar	139.4	23.15	20.55	18.2	9.85
18-Mar	142.35	24.7	21.95	19.45	10.75
21-Mar	142.65	24.05	21.25	18.7	9.95
22-Mar	147.65	27.55	24.5	21.7	19.25
23-Mar	151.95	30.55	27.3	24.3	14.35
24-Mar	152.05	30.15	26.85	23.5	13.85
25-Mar	149.4	27.75	24.5	21.55	11.9
28-Mar	146.15	24.7	21.6	18.75	7.6
29-Mar	139.2	20.5	17.35	14.9	5.55
30-Mar	139.95	10	2.2	0.6	0.3
31-Mar	141.35	20.55	17.7	15.1	6

INTERPRETATION BUYER'S PAYOFF

The above table shows the Market Price and Strike Price of Call Option of INDIA BULLS for the one month period from 1st March 2020 to 31st March 2020.

The Lot size is 1759 and the investors who buy the lot at a price of 140 will get premium of Rs.6 Per share.

The buyer Payoff is calculated using Black-Scholes model of option and future

is $C = SN(d_1) - Ke^{-rt} N(d_2)$ and $D_1 = \ln(S/K) + (r + \frac{\sigma^2}{2})t$

S/t

Settlement Price 141.5.

Strike Price	140
Spot Price	141.5
	-1.5
Premium	6
	-7.5
Loss (-7.5×1759)	-13192.5

Because it is negative it is out the money contract hence buyer will get loss in case spot price increase buyer loss will decrease.

SELLERS PAYOFF

It is out of the money for buyer so it is in the money for the seller. Hence he is in loss the Profit is equal to the loss of buyer 13192.5

TABLE 2
CALL OPTION FOR THE MONTH OF April, 2020

DATE	Market Price	STRIKE PRICE			
		130	135	140	150
1-April	141	15.9	16.95	14.35	10.1
4-April	142.15	20	19.75	14.3	9.9
5-April	142.45	19.75	20.55	13.95	9.5
6-April	141.75	15.1	15.8	13.1	8.7
7-April	142.45	15.35	15.85	10.65	8.6
8-April	144.85	20.55	20.9	18.1	13.3
11-April	144.45	16.25	19.35	9.8	4.95
19-April	142.4	14.3	14.55	11.7	7.2
13-April	139.6	19	16.1	13.55	9.35
14-April	135.95	16.45	13.8	11.45	7.75
18-April	199.55	7.6	2.1	4.55	2.25
19-April	132.55	4.4	8.2	4.55	2.6
20-April	133.6	14.8	19.3	10.15	6.7
21-April	198.45	6.2	6.1	3.5	2.25
22-April	134.65	16.35	13.85	11.6	8.05
25-April	134.5	15.6	13.05	10.85	7.3
26-April	135.6	15.9	13.25	10.95	7.3
27-April	139.2	8.75	3.8	0.55	0.05
28-April	190.6	3.9	5.75	4.6	0.7
29-April	192.4	10.8	9	4.9	1.05

INTERPRETATION

BUYER'S PAYOFF

The above Table Shows the Market Price and Strike Price of Call Option of INDIA

BULLS for the one Month period from 1st April 2020 to 29th April 2020.

The Lot size is 1759 and the Investors who buy the lot at a price of 135 will get

Premium of Rs.9 per share.

The Buyer Payoff is calculated using Black-Scholes Model of Option and Futures is

$$C = SN(d_1) - Ke^{-rt} N(d_2) \text{ and } d_1 = \frac{1}{\sigma\sqrt{t}} \left[\ln\left(\frac{S}{K}\right) + (r + \frac{\sigma^2}{2})t \right]$$

$$d_2 = \frac{d_1 - \sigma\sqrt{t}}{1}$$

Settlement Price 192.4.

Strike Price	135
Spot Price	192.4
	19.6
Premium	9
	3.6
Profit (3.6*1759)	6332.4

Because it is Positive it is in the money contract hence buyer will get profit, in case Spot Price increase Buyer loss will decrease.

SELLERS PAYOFF

It is In of the money for Buyer so it is Out the money for the Seller. Hence Seller is in loss, the Profit is equal to the loss of Seller 6332.4

TABLE 3

CALL OPTION FOR THE MONTH OF MAY, 2020

Date	Market Price	STRIKE PRICE			
		110	115	190	130
1-MAY	192.15	20.25	17.2	14.5	10.05
2-MAY	193.85	21.25	18.1	15.25	10.55
4-MAY	196.7	23.3	19.9	16.85	11.8
5-MAY	193.7	20.85	17.65	14.8	10.1
8-MAY	195.85	22.15	18.8	15.75	10.75
9-MAY	196.1	22.05	18.6	15.55	9.15
10-MAY	194.75	20.75	17.35	14.3	9.45
11-MAY	192.35	18.7	15.45	19.6	8.05
19-MAY	191.35	17.65	14.45	11.65	7.25
15-MAY	115.3	14.04	11.4	9.1	5.65
16-MAY	113.65	19.7	10.15	8.04	4.8
17-MAY	119.7	11.8	9.3	7.25	4.2
18-MAY	119.5	11.3	8.8	6.8	3.8
19-MAY	119.95	11.3	8.75	6.7	3.7

22-MAY	110.5	9.55	7.25	5.35	2.8
23-MAY	108.45	8.2	6.1	4.45	2.2
24-MAY	108.75	8.05	5.9	4.25	2.05
25-MAY	104.3	6.25	4.55	3.25	1.55
26-MAY	99.35	6.65	5.2	2.5	1.2
29-MAY	96.7	3.7	2.6	1.8	0.85
30-MAY	98.25	4	2.85	1.95	0.9

INTERPRETATION BUYER'S PAYOFF

The above Table Shows the Market Price and Strike Price of Call Option of INDIA BULLS for the one Month period from 1st MAY 2020 to 30th MAY 2020.

The Lot size is 1759 and the Investors who buy the lot at a price of 110 will get Premium of Rs.4 per share. The Buyer Payoff is calculated using Block-Sholes Model of Option and Futures is

$C = SN(d1) - Ke^{-rt}N(d2)$ and $D1 = \ln(S/K) + (r+s/2)t / S/\sigma\sqrt{t}$ Settlement Price 98.25.

Strike Price	110
Spot Price	98.25
	11.75
Premium	4
Profit (7.75*1759)	13632.25

Because it is Positive it is in the money contract hence buyer will get profit, in case Spot Price increase Buyer loss will decrease.

SELLERS PAYOFF:

It is In of the money for Buyer so it is Out the money for the Seller. Hence Seller is in loss, the Profit is equal to the loss of Seller 13632.25

TABLE 4
PUT OPTION FOR THE MONTH OF MARCH, 2020

DATE	Market Price	STRIKE PRICE			
		195	130	135	140
1-Mar	134.75	5.75	9.95	11.35	19.35
2-Mar	142.5	11.45	13.7	16.1	21.6
3-Mar	135.55	14.15	16.65	19.4	25.45
4-Mar	138.3	19.7	15.1	17.7	23.5
7-Mar	142.2	10.95	13.2	15.6	21.1
8-Mar	145.3	2.25	5	6	19.05
9-Mar	145.65	3	4.5	5	11.4
10-Mar	153.15	4.95	6.45	8.2	19.6
11-Mar	155.2	6.6	8.2	10.05	11.4
14-Mar	150.05	7.45	9.25	11.3	16.05
15-Mar	138.2	19.7	15.1	17.75	20.35
16-Mar	137.1	19.5	14.95	17.6	23.55
17-Mar	139.4	3.45	10.3	6	19
18-Mar	142.35	6.85	8.85	11.5	16.7
21-Mar	142.65	9.05	11.15	13.5	18.95

22-Mar	147.65	7.55	9.45	11.55	16.5
23-Mar	151.95	6.3	7.95	9.9	14.4
24-Mar	152.05	0.2	0.55	0.85	3
25-Mar	149.4	6.05	7.75	9.7	14.4
28-Mar	146.15	6.4	8.2	10.3	15.3
29-Mar	139.2	8.75	10.95	13.45	19.25
30-Mar	139.95	8.05	10.15	19.6	18.3
31-Mar	141.35	7.15	9.2	11.55	17.05

INTERPRETATION

BUYER'S PAYOFF

The above Table Shows the Market Price and Strike Price of Put Option of INDIA BULLS for the one Month period from 1st March 2020 to 31st March 2020.

The Lot size is 1759 and the Investors who buy the lot at a price of 130 will get Premium of Rs.9.2 per share.

The Buyer Payoff is calculated using Black-Scholes Model of Option and Futures is

$$C = SN(d_1) - Ke^{-rt} N(d_2) \text{ and } D_1 = \ln(S/K) + (r + \frac{\sigma^2}{2})t$$

$$S/\sigma\sqrt{t}$$

Settlement Price 141.35.

Spot Price	141.35
Strike Price	130
	11.35
Premium	9.2
	2.15
Profit (2.15*1759)	3781.85

Because it is Positive it is in the money contract hence buyer will get profit, in case Spot Price increase Buyer loss will decrease.

SELLERS PAYOFF

It is In of the money for Buyer so it is Out the money for the Seller. Hence Seller is in loss, the Profit is equal to the loss of Seller 3781.85

TABLE 5

DATE	Market Price	STRIKE PRICE			
		130	135	140	150
1-April	141	15.9	16.95	14.35	10.1
4-April	142.15	20	19.75	14.3	9.9
5-April	142.45	19.75	20.55	13.95	9.5
6-April	141.75	15.1	15.8	13.1	8.7
7-April	142.45	15.35	15.85	10.65	8.6
8-April	144.85	20.55	20.9	18.1	13.3
11-April	144.45	16.25	19.35	9.8	4.95
19-April	142.4	14.3	14.55	11.7	7.2
13-April	139.6	19	16.1	13.55	9.35
14-April	135.95	16.45	13.8	11.45	7.75
18-April	199.55	7.6	2.1	4.55	2.25
19-April	132.55	4.4	8.2	4.55	2.6
20-April	133.6	14.8	19.3	10.15	6.7

PUT OPTION FOR THE MONTH OF APRIL, 2020

21-April	198.45	6.2	6.1	3.5	2.25
22-April	134.65	16.35	13.85	11.6	8.05
25-April	134.5	15.6	13.05	10.85	7.3
26-April	135.6	15.9	13.25	10.95	7.3
27-April	139.2	8.75	3.8	0.55	0.05
28-April	190.6	3.9	5.75	4.6	0.7
29-April	192.4	10.8	9	4.9	1.05

INTERPRETATION BUYER'S PAYOFF

The above Table Shows the Market Price and Strike Price of Put Option of INDIA BULLS for the one Month period from 1st April 2020 to 29th April 2020.

The Lot size is 1759 and the Investors who buy the lot at a price of 135 will get Premium of Rs.9 per share.

The Buyer Payoff is calculated using Black-Scholes Model of Option and Futures.

$$C = SN(d_1) - Ke^{-rt} N(d_2) \text{ and } d_1 = \frac{1}{\sigma\sqrt{t}} \left[\ln\left(\frac{S}{K}\right) + \left(r + \frac{\sigma^2}{2}\right)t \right]$$

$$d_2 = \frac{d_1 - \sigma\sqrt{t}}{1}$$

Settlement Price 192.4

Spot Price	192.4
Strike Price	135
	-19.6
Premium	9
	-21.6
Loss (-21.6*1759)	37994.4

Because it is Negative it is out the money contract hence buyer will get Loss, in case Spot Price increase Buyer loss will decrease.

SELLERS PAYOFF

It is Out of the money for Buyer so it is In the money for the Seller. Hence Seller is in Profit, the Profit is equal to the loss of Buyer 37994.4

FINDINGS

Raw material derivatives are a significant sector in the derivatives trade. Derivatives provide fewer possibilities than regular assets.

Aluminum is 1/3 of the Earth's crust's most prevalent element. In nature, it is light. The yearly amount of aluminium exported from India is 80,000 tonnes.

Aluminum derivatives are recognised as lucrative raw material derivatives.

- March purchase option records show the buyer's loss and seller's gains.
- The buy option for April 2020 provides a revenue of 6332. The client and the vendor get a loss here for four lots during 1759.
- The option to call May 2020 implies a purchaser's income of 13632.25 for 1759. This shows a loss to the seller.
- The purchase option in March 2020 shows a profit of 37.81 and 85 for the customer throughout the 1759 lot, indicating the seller's loss role.
- The April 2020 purchase option is a loss of 37,994 for the buyer, with a volume of 1759 fees and seller's gains.
- The May 2020 option gives the customer a loss of 27704.25 with many of the 1759 gains and the same amount for the seller

SUGGESTIONS

The size of the lot may be decreased, since this large amount of funding does not come from the little investor.

- It is preferable to offer all societies with sufficient service.

The current carrier load may be increased to attract big traders.

- Commodity trading has already started in India. The organisation may thus adopt commercial methods to raise consumer awareness of almost goods.
- The buying option is greater for purchasers since it indicates a strong buyer performance.

CONCLUSION

The research demonstrated that the buying option was lucrative to the buyer and that the selling option was advantageous to the seller. The research shows that the option to call India and the option to purchase is actively traded on the stock exchange. These aluminium choices provide a minimum risk and income space because they achieve

Greater gains in Indian Bulls in buying and selling commodities. However, comparing to the stock market and Forex, the reputation of the commodities market has not developed. institutions institutions

Customer service must be developed in dealing with the commodities market and may therefore attempt to expand the reach of individual clients.

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