

Evaluation of Heavy Electrical Equipment Industry

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Abstract: This paper presents evaluation of heavy electrical equipment industry.

Keywords: Analysis, Electrical equipment industry, Engineering sector, Heavy equipment.

1. Introduction

The topic is all about the Analysis of Heavy Electrical Equipment Industry. From the Secondary sources, it is evident that the backbone for the progress and growth of Power sectors is due to various subsidiary industry among which Heavy electrical equipment industry plays a vital role. During the last few years due to globalization and growth of need of power sectors, Heavy equipment industry has become more relevant.

2. Research Problem Identification

This sector of the industry developed only after independence. Before that the country totally depended on imports. Heavy engineering industry produces capital goods and consumer durables and its products can be put into the following categories—industrial machinery or capital goods, power generation equipment, transport equipment, rail equipment, aircraft building and ship building. The setting up of the Heavy Engineering Corporation (HEC) at Ranchi in 1958 gave a major boost to the heavy engineering industry in India. The heavy electrical industry comprises equipment used for the generation, transmission, distribution and utilization of power. It includes items such as generators, boilers, turbines, transformers, switchgears, etc. Most of these products are manufactured in the public sector by companies like BHEL. BHEL has its plants located at Bhopal, Hardwar, Bengaluru, Hyderabad, Tiruchchira- palli, Ranipet (Tamil Nadu), and Jagdishpur (Uttar Pradesh). The heavy engineering industry manufactures tools and machinery to support a wide range of industries such as petrochemicals, consumer durables, defense, aerospace, steel, paper, textiles and so on. Major heavy engineering industries in India are Larsen and Toubro (L and T), ABB, Cummins etc. are some of the leading companies in this industry.

3. Literature Review

Dr. Anubha Srivastava (2014) carried out a complete study

of performance of Indian car industry. In that look at the researcher analyses three important car corporations in India which can be Maruti, Mahindra and Tata. The study discovered that the overall performance of the car quarter is without delay related to the monetary fashion. It's also determined that Mahindra is the maximum correlated to car index than the opposite groups. The growing needs and income numbers of Indian car convey many possibilities for those gamers.

Dr. P. Vikkreaman and P. Varadharajan (2009) analysed the equity of selected businesses inside the car industry for the period of 2004 to 2007. They use beta and alpha techniques for analyzing risk and return of the auto agencies. The calculation of the return indicator and systematic risk provide a clear awareness concerning the funding selections on those businesses.

Victor Simon Carl-Anders Johans and Diego Galardiego (2017) found that, all electric powered machines offer the possibility of extracting information and calculating Key Performance Indicators (KPIs) from the electric current signal. This paper uses this technique to calculate indicators for maintenance and energy optimization in electric powered machines and fleets of machines, especially machine tools.

The book: Technical Innovation and British Economic Performance, Heavy Electrical Plant (2017) The authors observed that in the 1950s, the UK industry — which included Metropolitan Vickers, British Thomson-Houston, English Electric, Brush, Parsons, Reyrolle, GEC, Ferranti, Crompton Parkinson, and Richardsons Westgarth — had a healthy flow of home orders and a large share of world trade in electrical generating plant and transmission equipment. This chapter examines the industry's recent performance and its prospects, they explain the technical and market framework in which it operates.

4. Research Methodology Design (Adopted)

The research design is exploratory. The data is collected through Files, Annual Reports, Periodicals, Manuals, Agreements, Text Books and Websites, to analyse the performance of Heavy Electrical equipment industry or company which is the part of the industry using their share prices.

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A. Data sources

- a) Primary data: Information has been collected directly from the controller of the company working in a company, which is part of the electrical equipment industry.
- b) Secondary data: Secondary data has been collected from the company manuals, and previous reports, newspapers, magazine reviews, journals, articles, and internet information.

5. Research Instrument

The share prices of various companies in the heavy electrical equipment industry are taken for the evaluation through various secondary sources. The Data is collected and Analyzed using Statistical tools like Regression and t-test along with comparison of returns in the Share prices is done to know the performance of various companies in the Heavy electric equipment sector across the years.

6. Results or Findings of the Study

- We can see that there is reasonable fluctuations in the share prices and in their volume due to the recent COVID Situation, yet the companies are trying their best to improve.
- There is a positive growth in the volume of share prices when compared to the prices during the lockdown and recent present.
- After the analysis of selected stock with index, it can be inferred that there is significant relationship between stocks

and Index.

- There is a positive correlation between Stocks and Index Returns.
- With every percent change in index returns there is change in returns of the stock analyzed.

7. Conclusion

Through the Study, we can finally conclude that heavy industries play a significant role in economic growth and financial prosperity of a country. It provides a detailed analysis of leading companies in the heavy electrical equipment industry. The heavy industry analysis allows to understand the market size and ongoing trends in the sector. It portrays the technological advancement taking place in the heavy industry sector and the increased production output due to that. It also shows the potential growth opportunities, challenges, and risk of the market which will be helpful in understanding the market trends and plan the business module according to it. It shows the market size of some major companies established in the heavy industry sector and the opportunities for the entrepreneurs planning to commence their business in this segment. The heavy industry reports offer the insight and every detail of this industry, which will allow one to set business strategies accordingly and minimize the factors of risk to a great extent.

References

- [1] Punithavanthy Pandiyan, "Security Analysis and Portfolio Management", Vikas Publication House Ltd. Second Edition, 2012.