Asian Economic and Financial Review

ISSN(e): 2222-6737 ISSN(p): 2305-2147

DOI: 10.55493/5002.v13i4.4765

Vol. 13, No. 4, 251-268.

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URL: www.aessweb.com

Factors affecting investor satisfaction in the southeast economic zone of Nghe An province



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ABSTRACT

Article History

Received: 17 October 2022 Revised: 2 January 2023 Accepted: 10 March 2023 Published: 29 March 2023

Keywords

Economic zones EFA Factors affecting investor satisfaction Investment attraction Satisfaction Vietnam. This study looks at the factors affecting investor satisfaction in the economic zone of Nghe An province, Vietnam, by building a regression model to measure the impact of the factors and propose solutions to increase investment attractiveness. The exploratory factor analysis (EFA) method is used for empirical research. The results showed that there are six factors affecting investor satisfaction. In order of influence, these are incentives, habitat, local organizations, geographical location, infrastructure, and human resources. From this result, we propose creating favorable policies to support disadvantaged businesses, creating favorable conditions for businesses to borrow capital, improving social infrastructure to attract workers, strengthening business support, focusing on the seaport system, and taking advantage of all available resources.

JEL Classification:

E2.

Contribution/Originality: This study is the first to determine the factors that affect the satisfaction of investors when investing in the Southeast Economic Zone in specific conditions. From these results, policy recommendations are made for managers to improve the investment climate, thereby attracting more investment.

1. INTRODUCTION

The Southeast Economic Zone of Nghe An (SEZ of Nghe An) province, Vietnam, is expected to become an international trade center and an industrial, tourist, commercial and seaport center of the North Central region of Vietnam, a major urban center of Nghe An. After more than 14 years of establishment, the SEZ of Nghe An has affirmed its position and role in attracting investment and contributing to the development of the province's socioeconomic activities. Accordingly, the planning, development of space, investment in the construction of essential transport infrastructure, seaport infrastructure, and the infrastructure of industrial zones are carried out in a synchronous direction. Investment promotion and support have been implemented and achieved high efficiency, initially attracting a number of large-scale projects. However, in the trend of globalization, the fourth industrial revolution and the fierce competition among major economies in the current period, the development model of the

SEZ of Nghe An has started to reveal many limitations and shortcomings. The planning has not closely followed investment needs and socio-economic development, and some areas are no longer suitable (for example, Bac Vinh Industrial Zone, although it has a very favorable location to attract investment, it is currently difficult to attract large investors because of the small area, there is no expansion orientation, and the infrastructure gap is not suitable for large production). The efficiency of attracting investment and using land is low; there is no infrastructure investor and no financial investment from the state budget. The management, supervision, and inspection of the implementation of construction planning have not been regularly carried out or coordinated with relevant agencies and localities.

In addition, the SEZ of Nghe An has not yet attracted many large-scale investment projects that are beneficial for development. The progress of implementing projects after licensing is still low; site clearance compensation still faces many difficulties; and transport infrastructure systems, seaports, technical infrastructure, and social infrastructure are not synchronous or reasonable. In 2021, the SEZ of Nghe An only managed to attract 16 projects with a total value of 13 billion Vietnam dong (~560 million USD). This number is smaller than in 2020, during the COVID-19 pandemic, when the SEZ of Nghe An attracted 24 projects.

Thus, what will increase investments? Based on the marketing place theory, when attracting investment to the locality, the investor plays the role of the client, and the local government plays the role of a service provider. A locality can attract more investors if it can satisfy investors with the quality of the investment services they provide (Kotler, Hamlin, Rein, & Haider, 2002). The SEZ of Nghe An's Administration Office as an investment service provider needs to improve their services to attract more customers and reach out to potential customers of the SEZ. To do that, we need to identify the factors affecting investors' satisfaction, specifically in the SEZ of Nghe An, and create policies accordingly.

2. LITERATURE REVIEW

The topic of creating a framework for factors affecting the investors' satisfaction and investors' decisions to invest in economic and industrial zones is well-established and highly debated in the scientific community. Research by the United Nations Industrial Development Organization (UNIDO) office in Vietnam has synthesized the situation of the operation of Asian economic zones (EZs) in the study "Economics Zones in ASEAN (Association of South East Asian Nations)". The study also argues that the factors influencing enterprises' investment decisions in Asian economic zones are favorable geographic location, adequate infrastructure, investment incentives, resources, and an abundant labor force (UNIDO, 2015). White (2011) argued that the most important determinant of the SEZ's success was its geographic location. Indeed, a zone located next to an urban area has easier access to firms, capital, and skilled workers and can easily integrate itself with local firms.

Akinci and Crittle (2008) pointed out that the ability to attract foreign direct investment (FDI) to a specific economic zone also depends on four endogenous determinants – a policy framework to attract investment; a legal framework; an institutional framework; and infrastructure development and management. Amado (1989) studied the process of industrial zone development. Initially, the economic zones that were developed under the model of free ports and free industrial zones had more open policies than the other countries. This study also shows the development patterns of the first phase EZs, mainly in European countries.

Yeung, Lee, and Kee (2009) assessed and summarized 30 years of the formation and development of economic zones. Their study also pointed out the important factors affecting the decisions of enterprises to invest in economic zones, such as infrastructure, special preferential policies, and free institutions. These are also factors that contributed to the success of Chinese economic zones.

A study by Wang and Wei (2011) investigated the factors affecting firm-level investment and performance in border economic zones and the implications for developing cross-border economic zones between the People's Republic of China and its neighboring Greater Mekong Subregion (GMS) countries. This study evaluated the factors affecting investment and operations in the border economic zones and proposes suggestions for the development of cross-border economic zones between the China and neighboring countries.

The study by Nguyen and Nguyen (2008) in Vietnam claims that there are four factors affecting local enterprise satisfaction – government support, training support for workers, living environment and investment incentives. A study by Nam and Vu (2010) assessed the factors affecting the decision to invest in industrial zones in Vietnam and developed a research model with six factors that affect the decision to invest in industrial zones: location of the industrial park, infrastructure, support services, investment policy, input resources, and human resources. Dzung, Tuan, and Tinh (2017) assessed the attraction of foreign direct investment in Vietnamese economic zones, including industrial and economic zones in the middle (Chu Lai, Nhon Hoi, Dung Quat) and the south (the largest island of Phu Quoc). The results show that there is a difference between the assessment and the requirements of investors with regard to the business environment expressed through the following criteria: infrastructure, quality of public services, preferential policies, labor, market, and social services.

Although the number of empirical studies on creating a framework of factors affecting investor satisfaction or investment decisions in economic zones is large, most of them happened long ago and are no longer relevant in the new situation. Furthermore, this study has not been conducted in Nghe An special economic zone, given the unique characteristics of the North Central region of Vietnam.

3. THEORETICAL CONCEPTS

3.1. Economic Zone (EZ)

An economic zone is referred to by many names, including special economic zone, free trade zone, free economic zone, or simply free zone. There are economic zones that may not have an official name but still have the status of operating as a free economic zone. However, regardless of its name, every economic zone wishes to increase the attraction of domestic and foreign investment through special incentives (Chikatisrinu, 2013). According to the United Nations Industrial Development Organization (UNIDO, 2015), special economic zones are "A real estate that is legalized by commercial laws such as tariffs, quotas, or obligations different from the rest of the country". An economic zone is a production model combined with industrial techniques, providing an infrastructure and facilities to attract domestic and foreign investors (Amado, 1989). Economic zones are seen as a tool for developing commercial capacity with the goal of promoting rapid economic growth through tax and business incentives to attract foreign investment and technology (UNIDO, 2015). In Vietnam, Government Decree No.29/2008/ND-CP, dated March 14, 2008, defines an economic zone as an area with a separate economic space with a particularly favorable business and investment climate for investors, with defined geographical boundaries established according to specified conditions, order and procedures. According to the above decree, an economic zone must have a minimum area of 10,000 hectares (100 km²); have a geographical position favorable for regional economic development (with a deep seaport or close to an airport); have convenient connections with national and international arterial transport axes; be easy to control and convenient to communicate with, both at home and abroad; and have favorable conditions and resources for investment and development of technical infrastructure (Vietnam Government, 2008).

The above concepts can be summarized as follows: "An economic zone is an area with a separate economic space with an especially favorable investment and business environment for investors, with a management mechanism favorable for attracting investment and the development of businesses."

3.2. Investment Environment

Investment climate is a term that has been mentioned in research on economics and business administration in many countries. Investment climate is not a new term, and there has been a lot of debate about this concept. The investment environment has been studied and considered in many different aspects depending on the study's purpose, scope, and object. In short, the investment environment is a combination of factors such as nature, politics, law,

economy, culture, and society. These factors affect investment in the host country or locality and can increase the profitability or risk for investors.

3.3. Satisfaction

Currently, there are many definitions of "customer satisfaction". According to Kotler (2000), "Satisfaction as a person's feeling of satisfaction or disappointment is equal to the result of comparing the actual perceived product (or result) in relation to their expectations". This means that the level of satisfaction will depend on the expectation and results received; if the expectation is higher than the actual results, the customer will not be satisfied, if the reality matches, or is higher than, the expectation, the customer will be satisfied.

Service quality affects customer satisfaction and creates customer loyalty. This will help increase the company's revenue and profit, which, in turn, will affect the business' ability to further improve the quality of customer service (Gronroos, 1984). When deciding to invest in an economic zone, investors act as customers using the economic zone's services. They will then compare the actual service with their expectations, and this will reflect the investor's level of satisfaction when investing in the economic zone. When investors are satisfied with the service they are using, loyalty to the product/service will be formed. Thus, the economic zone can keep its existing customers and attract potential customers.

3.4. Marketing Places

Kotler created a concept called Local Marketing. This concept defines a locality as a geographical area delimited by boundary markers or natural terrain. A locality can be a commune, a district, a province, a region, a country, or an area. Local marketing is a system of activities that a locality performs to improve competitiveness. The future of local development depends on the expertise, contributing skills, and the quality of local people and organizations (Kotler et al., 2002). According to this theory, localities need to understand the needs of their target customers as well as their decision-making process to have an appropriate solution to attract customers.

In attracting investment into the locality, the investor is the client and the local government is the service provider. A locality can attract more investors if it can satisfy them with the quality of the investment services they provide. The main audience for the implementation of the local market is all the individuals and organizations living and working in that area. In particular, the local government leadership have an important role because they are the people who formulate and implement the policies. In addition to policies, the attitude and quality of service will be the factors that greatly affect the level of customer satisfaction.

4. METHODOLOGY

4.1. Hypothesized Relationships

In this paper, we empirically test a model that incorporates seven factors, which are as follows:

4.1.1. Infrastructure

The importance of infrastructure has been proven in studies such as UNIDO (2015); Kotler et al. (2002); and Nguyen and Nguyen (2008). Following these well-established theories and empirical evidence, we propose the first hypothesis as follows:

Hypothesis 1: Infrastructure has a positive relationship with the satisfaction of investors in the Southeast Economic Zone of Nghe An.

4.1.2. Location

The most important factor determining the success of the SEZ is its geographical location. An economic zone located next to an urban area has easier access to firms, capital, and skilled workers, and is more able to integrate

itself with local firms. The importance of this factor has also been proven in studies such as UNIDO (2015); White (2011); and Nguyen and Nguyen (2008). We propose the second hypothesis as follows:

Hypothesis 2: Location of the economic zone has a positive relationship with the satisfaction of investors in the SEZ of Nghe An.

4.1.3. Costs

Input costs, such as infrastructure service costs, labor costs, and informal payments, are considered important to the profitability of the businesses. Investors will prioritize choosing countries or localities that have low input costs to maximize their profits (Dunning, 1997). For that reason, we propose the third hypothesis:

Hypothesis 3: Input costs have a positive relationship with the satisfaction of investors in the SEZ of Nghe An.

4.1.4. Incentives

Inflation, economic policy, tax rate, and tax structure are important factors that influence investment decisions (Gilmore, O'Donnell, Carson, & Cummins, 2003) and are used to attract investment. The importance of this factor has been proven in many previous studies, such as UNIDO (2015); Akinci and Crittle (2008); and Kotler et al. (2002). Based on this, we propose the fourth hypothesis:

Hypothesis 4: Incentives have a positive relationship with the satisfaction of investors in the SEZ of Nghe An.

4.1.5. Human Resources

Human resources are seen as one of the most important factors in the investment environment, especially in attracting foreign direct investment (Dunning, 1997). Many studies have identified human resources as a key factor in attracting investments, e.g., UNIDO (2015); Kotler et al. (2002). Thus, we propose the fifth hypothesis:

Hypothesis 5: Human resources have a positive relationship with the satisfaction of investors in the SEZ of Nghe An.

4.1.6. Local Institutions

Factors in local institutions have been widely researched by the Vietnam Chamber of Commerce and Industry in the Provincial Competitive Index (PCI). Other studies have also mentioned this factor. For that reason, we propose the sixth hypothesis:

Hypothesis 6: Local institutions have a positive relationship with the satisfaction of investors in the SEZ of Nghe An.

4.1.7. Living Environment

A good living environment will positively affect enterprises' decisions to invest in an area or a country (Nguyen & Nguyen, 2008). Many studies have also reached the same conclusion. Following the well-established evidence, we propose the seventh hypothesis:

Hypothesis 7: Living environment has a positive relationship with the satisfaction of investors in the SEZ of Nghe An.

4.2. Research Method

4.2.1. Research Model

Based on the literature review, we propose a research model with seven independent variables as mentioned in the hypotheses. *Infrastructure* (IN) consists of five observations, *Location* (LO) consists of seven observations; *Costs* (CO) consists of five observations; *Incentives* (INC) consists of six observations; *Human resources* (HR) consists of five observations; *Local institutions* (LOI) consists of six observations; and *Living environment* (LE) consists of six observations. The dependent factor (satisfaction) consists of three observations (see Figure 1). All observations are constructed with references to previous studies. This study applies a five-point Likert scale (Very unsatisfied; Unsatisfied; Neutral; Satisfied; Very satisfied).

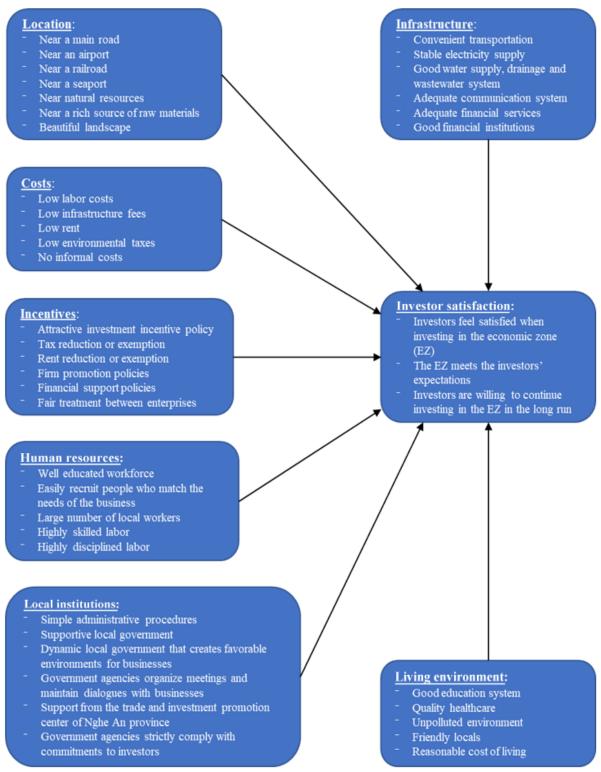


Figure 1. Research model.

4.2.2. Research Data

To test the hypotheses, a survey was conducted with 75 companies and investors to gather data for analysis. This was carried out between November and December 2021.

4.2.3. Data Analysis Methods

This research applied quantitative methods. First, we clean the data and test for Cronbach's Alpha reliability of each scale. Then we analyze the data using the exploratory factor analysis (EFA) technique to reduce data to a smaller

set of summary variables and explore the underlying theoretical structure of the phenomena. Finally, a regression (Multivariate Regression Analysis), using EFA results, is run to study the relationship between the independent and dependent variables. The regression Equation 1 is as follows:

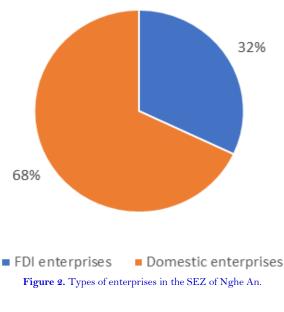
$$Satisfaction = \beta_1 \, IN + \beta_2 \, LO + \beta_3 \, CO + \beta_4 \, INC + \beta_4 \, HR + \beta_5 \, LOI + \beta_6 \, LE + \varepsilon_i \, (1)$$

All data were analyzed in Statistical Package for the Social Sciences (SPSS) 25 software.

5. RESULTS AND DISCUSSION

5.1. Descriptive Statistics

Our survey results show that out of 75 companies conducting businesses in the SEZ of Nghe An, 68% are domestic enterprises and the remaining 32% are FDI enterprises (see Figure 2). A total of 60% have been conducting businesses in the SEZ of Nghe An for over five years and the remaining 40% have been conducting business for under five years (see Figure 3).



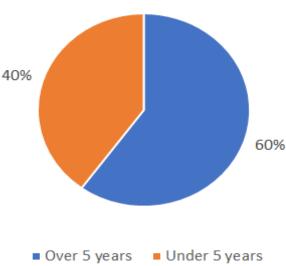


Figure 3. Length of time the enterprises have been conducting business in the SEZ of Nghe An.

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Table 1. Descriptive statistics.

Variables & indicators	Code	Value
Infrastructure	-	-
Convenient transportation	IN1	4.15
Stable electricity supply	IN2	4.12
Good water supply, drainage and wastewater treatment system	IN3	4.03
Adequate communication system	IN4	4.00
Adequate financial service	IN5	4.00
Location	l	I
Located near a main road	LO1	4.04
Located near an airport	LO2	4.17
Located near a railroad	LO3	4.08
Located near a seaport	LO4	4.07
Located near a rich source of raw materials	LO5	3.93
Located near natural resources	LO6	4.04
Beautiful landscape	LO7	3.96
Costs		
Low labor cost	CO1	3.73
Low infrastructure fees (Electricity, water, communication, etc.)	CO2	3.73
Low rent	CO3	3.76
Low environmental taxes	CO4	3.75
No informal costs	CO5	3.77
Incentives		
Attractive investment incentive policy	INC1	4.19
Tax reduction or exemption	INC2	4.41
Free or reduced ground rent	INC3	4.33
Good trade promotion policy	INC4	4.27
Good credit support policy	INC5	2.69
Fair treatment between enterprises	INC6	4.11
Human resources	l	I
Well educated workforce	HR1	3.27
Ease in recruiting employees that match the needs of the business	HR2	3.21
Abundant local workers	HR3	3.32
Highly skilled labor	HR4	3.20
Highly disciplined labor	HR5	3.28
Local institutions	l	I
Simple and fast administrative procedures	LOI1	3.17
Supportive local government	LOI2	3.47
Dynamic local governments, creating a favorable business environment for businesses	LOI3	3.44
Government agencies organize meetings and dialogues with businesses	LOI4	2.99
Support from the trade and investment promotion center of Nghe An Province	LOI5	3.53
Government agencies strictly comply with commitments to investors	LOI6	3.12
Living environment		-
Good education system	LE1	3.67
Quality healthcare	LE2	4.00
Unpolluted environment	LE3	3.87
Friendly locals	LE4	3.91
Reasonable cost of living	LE5	3.77
Investor satisfaction		
Investors' feelings of satisfaction when investing in the EZ	IS1	3.92
The EZ meets investors' expectations	IS2	4.04
Investors' willingness to invest in the EZ in the long run	IS3	3.93
	150	0.00

In the survey, most investors stated that they are satisfied with the infrastructure, location, operating costs, investment incentives, and living environment in the SEZ of Nghe An (with average Likert scale values ranging from 3.6–4). However, most investors have neutral feelings regarding human resources and local institutions (with average Likert scale values ranging from 3–3.5). Overall, the investors are satisfied when investing in the SEZ of Nghe An.

5.2. Data Analysis

Results from the scale reliability tests show that the indicators INC5, LOI5, and LE2 must be removed from the research model to increase the reliability of the scales. Therefore, the study proceeded with the three indicators above removed.

After testing for reliability, we conducted an EFA for the independent and dependent variables to reduce the data set. The results are presented in Table 2.

Next, we run a regression to estimate the relationship between the independent variables and the dependent variable. The results are presented in Table 3.

Table 2. EFA results.

Scale	Observations	Variable
CO	CO1, CO2, CO3, CO4, CO5	Costs
LOI	LOI1, LOI2, LOI3, LOI4, LOI6	Local institutions
HR	HR1, HR2, HR3, HR4, HR5	Human resources
LO	LO1, LO3, LO4, LO5, LO6, LO7	Location
INC	INC2, INC3, INC4	Incentives
IN	IN1, IN5	Infrastructure
LE	LE4, LE5	Living environment

Table 3. Regression results.

Variable		Coefficient
Constant		-2.329
		(0.537)
Costs		0.027
		(0.073)
Local institution		0.234**
		(0.084)
Human resources		0.168*
		(0.074)
Location		0.277*
		(0.129)
Incentives		0.418**
		(0.109)
Infrastructure		0.235*
		(0.100)
Living environment		0.248**
		(0.082)
Dependent variable: Inve	stors' satisfaction	
R-squared	0.691	
Adjusted R-squared	0.659	
No. of observations 75		

Note: Standard errors are reported in parentheses. * and ** indicate significance at the 95% and 99% levels, respectively.

Overall, the regression results (Table 3) appear to be reasonable, with significant F statistics. The independent variables are found to be significant and explain around 65.9% of investors' satisfaction in the Southeast Economic Zone of Nghe An Province. The model does not have a multicollinearity issue because an EFA was conducted before running the regression model. We have also tested for heteroskedasticity and found no problem.

All hypotheses except the third hypothesis are supported by the regression results and are found to be significant and positive determinants of investors' satisfaction in the EZ. This is consistent with many previous studies.

For the third hypothesis, input costs have a positive relationship with investors' satisfaction in the SEZ of Nghe An and are found to be statistically insignificant with a sig. value > 0.05.

5.3. Discussion

The most significant and impactful factor to investors' satisfaction in the EZ is investment incentives, with the highest standardized coefficient values in the model (0.303) and is statistically significant. This could be because the EZs in Vietnam in general, and the SEZ of Nghe An in particular, have high investment incentives of all areas in Vietnam, making them the perfect areas to invest in to take advantage of the low taxation and other investment benefits. The results are also consistent with previous studies by UNIDO (2015); Akinci and Crittle (2008); and Kotler et al. (2002).

In order to make the most of the natural advantages, as well as to attract investment in the SEZ of Nghe An, the government has issued special incentives which are applicable to economic zones in general, and the Southeast Economic Zone of Nghe An province in particular. These special incentives are as follows:

Investment incentives are granted in accordance with the regulations of the Government of Vietnam. Some incentives are a 10% preferential tax rate for a period of 15 years, calculated from the first year of revenue; tax exemption for four years and a 50% reduction of payable tax for the next nine years, calculated from the first year of taxable income; tax exemption for goods imported to create fixed assets; exemption from tax on raw materials, supplies, and components that cannot be produced domestically; and exemption from non-industrial land use tax.

Naturally, investors are always looking for a way to reduce costs to maximize their profits. Thus, these preferential policies contributed directly to the satisfaction of the investors.

The second most significant factor is the living environment. Based on our findings, the living environment positively affects investors' satisfaction. This is also consistent with the study by Nguyen and Nguyen (2008). Nghe An province is said to have many convenient social infrastructures and a good living environment. This could be the factor that most attracts workers from all over Vietnam to live and work there.

The third most significant factor is the local institutions. In Vietnam, administrative improvement in provincials is commonly measured with the Provincial Competitiveness Index (PCI Index). Overall, the PCI Index score for Nghe An province is experiencing an upward trend, showing improvement over the years. In 2020, Nghe An province ranked 18th out of 60 provinces. However, this had dropped to 30th in 2021 due to the slow process of administrative reform and the problems with the existing administrative process (UNIDO, 2015). Nevertheless, Nghe An is one of the better areas in terms of administrative processes and has a supportive local government, which has been reflected in the study results.

The fourth and fifth most significant factors are location and infrastructure, respectively. These two factors belong to the same category, fundamentally. The SEZ of Nghe An is an economic and international trade center of the North Central region, an important gateway to Central Vietnam, Upper Laos, Northeast Thailand, and Central Vietnam. The SEZ of Nghe An has an area of 20,776.47 hectares, with 26 communes, wards, and townships in the districts of Nghi Loc, Dien Chau, Hung Nguyen, Hoang Mai town, Cua Lo town, and Vinh city. The infrastructure system is adequate and convenient for transportation and logistics. It is connected to National Route 1A and National Route 7, with roads connected to Nam Can International Border Gate. The SEZ of Nghe An is also located near the railroad, airport, and seaport. Generally, investors are satisfied with these factors.

Human resources in the EZ area is the least significant factor in investors' satisfaction in the SEZ of Nghe An. Most investors mentioned that there is a high number of workers in the SEZ of Nghe An. However, they found the recruitment process inconvenient and the number of workers with specialized skills limited.

Table 4 presents the structure of the labor force in Nghe An province. Accordingly, the labor force is still heavily focused on agriculture, and this is not what most investors in EZ need.

We are unable to find support for the third hypothesis that the input costs have a positive relationship with the satisfaction of investors in the SEZ of Nghe An. The regression results for the input costs factor were found to be statistically insignificant.

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Table 4. Labor force structure of Nghe An province.

Field	2021	Percentage
Total	1,963,980	100%
Agriculture, forestry, and fisheries	929,182	47.31%
Industrial and construction	497,721	25.34%
Services	537,077	27.35%

Source: Nghe An province statistical office.

Thus, the research results are consistent with previous studies when determining whether incentives, living environment, local institutions, geographical location, infrastructure, and human resources affect investor satisfaction. In addition, the impact of the input cost factor on investor satisfaction was not found. This could be due to the insignificant differences in input costs in many EZs in Vietnam, thus investors are more interested in other factors when deciding which EZ/area to invest in.

This paper's findings can help identify factors that are important in promoting and attracting investment into EZs.

6. CONCLUSION

Based on previous studies, we have constructed a research model and applied it to study the factors affecting investors' satisfaction in the SEZ of Nghe An. We found that domestic enterprises tend to invest more in the Southeast Economic Zone of Nghe An and most of them have been in operation for more than five years. A regression analysis showed that there are six factors that affect investor satisfaction. In order of influence, these are Incentives, Living environment, Local institutions, Geographical location, Infrastructure, and Human resources. Based on the results, we propose the following policy recommendations: Create preferential policies to support businesses in difficulty; create conditions for businesses to borrow capital; improve the social infrastructure to attract workers; strengthen business support; train and educate staff on the management board regarding solutions to improve the investment climate; focus on the seaport system; and make use of all available resources in Nghe An. Finally, the SEZ of Nghe An Administration Office needs to connect to a vocational training center or school to assist businesses in training their workers.

Funding: This study received no specific financial support.

Competing Interests: The authors declare that they have no competing interests.

Authors' Contributions: All authors contributed equally to the conception and design of the study.

REFERENCES

Akinci, G., & Crittle, J. (2008). Special economic zones: Performance, lessons learned, and implications for zone development. Retrieved from World Bank: Working Paper No. 45869, Washington, DC.

Amado, J. D. (1989). Free industrial zones: Law and industrial development in the new international division of labor. *University of Pennsylvania Journal of International Law*, 11(1), 81–150.

Chikatisrinu. (2013). Challenges and future of special economic zones in India – A perspective. *International Journal of Marketing*, 2(3), 86–92.

Dunning, J. H. (1997). Trade, location of economic Activity and the MNE: A search for approach in the international allocation of economic activity. Edited by Bertil Ohlin Hesselborn and per MaguesWijiman. New York: Holmes and Meier Publish.

Dzung, N. T., Tuan, N. A., & Tinh, D. P. T. (2017). The role of investment attraction in vietnamese Industrial Parks and economic zones in the process of international economic integration. *The Journal of Asian Finance, Economics and Business, 4*(3), 27-34. https://doi.org/10.13106/jafeb.2017.vol4.no3.27

Gilmore, A., O'Donnell, A., Carson, D., & Cummins, D. (2003). Factors influencing foreign direct investment and international joint ventures: A comparative study of Northern Ireland and Bahrain. *International Marketing Review*, 20(2), 195-215. https://doi.org/10.1108/02651330310470401

- Gronroos, C. (1984). A service quality model and its marketing implications. European Journal of Marketing, 18(4), 36-44. https://doi.org/10.1108/eum0000000004784
- Kotler, P. (2000). Marketing management: The millennium edition. Upper Saddle River: Person Prentice Hall.
- Kotler, P., Hamlin, M. A., Rein, I., & Haider, D. H. (2002). Marketing Asian places, attacting investment, industry, and tourism to cities, states, and nations. New York: John Wiley & Sons.
- Nam, M. V., & Vu, N. T. (2010). Factors affecting decisions on investment in Industrial Parks. *Journal of Economic Development* (186), 38-44.
- Nguyen, D. T., & Nguyen, T. M. T. (2008). Factors affecting investment decision of FDI enterprises in Thanh Hoa Province, Vietnam. *Journal of Business and Management Sciences*, 6(2), 43-49.
- UNIDO. (2015). Economics zone in the ASEAN. Retrieved from Working Papper: https://www.unido.org/sites/default/files/2015-08/UCO_Viet_Nam_Study_FINAL_0.pdf
- Vietnam Government. (2008). Government Decree No.29/2008/NĐ-CP Dated 14/03/2008 and Government Decree No.164/2013/NĐ-CP about the regulations of economic zones, Industrial Park and manufacturing zones.
- Wang, Z., & Wei, W. (2011). Factors affecting firm-level investment and performance in border economic zones and implications for developing cross-border economic zones between the people's Republic of China and its neighboring GMS countries. In Z. Wang & W. Wei (Eds.), Cross-Border Economic Cooperation Between China and Southeast Asian Countries. In (pp. 49–87). Singapore: Springer.
- White, J. (2011). Fostering innovation in developing economies through SEZs. In (pp. 183-202): Special Economic Zones: Progress, Emerging Challenges, and Future Directions (Farole and Akinci).
- Yeung, Y.-M., Lee, J., & Kee, G. (2009). China's special economic zones at 30. Eurasian Geography and Economics, 50(2), 222-240.

APPENDIX

Appendix A presents the list of companies participating in the survey.

Appendix A. List of companies participating in the survey.

Company name	Address		
A., I Nl A., i-it -tl. C A., I	Bac Vinh Industrial Park, Dang Thai Mai street, Hung		
An Loc Nghe An joint stock Company An Loc	Dong Commune, Vinh City, Nghe An Province,		
Nghe An JSC	Vietnam		
Asia Minaral (Laint atack company)	Nam cam Industrial Park, Nghi Xa Commune, Nghi		
Asia Mineral (Joint stock company)	Loc District, Nghe An Province, Vietnam		
Bac Thanh Vinh Co., Ltd	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh		
bac Thann vinn Co., Ltd	City, Nghe An Province, Vietnam		
Bac Vinh i Industrial Park (A development	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh		
investment company)	City, Nghe An Province, Vietnam		
Becker Industrial coatings (Vietnam) company	VSIP Nghe An Industrial Park, Hung Tay Commune,		
limited - Nghe An Branch	Hung Nguyen District, Nghe An Province, Vietnam		
Biomass Fuel Vietnam Company Limited	Bac Vinh Industrial Park		
Branch of Umw Equipment Systems	VSIP Nghe An Industrial Park, Hung Tay Commune,		
(Vietnam) Co., Ltd at Nghe An	Hung Nguyen District, Nghe An Province, Vietnam		
Central Construction Materials (Joint stock	VSIP Nghe An Industrial Park, Hung Tay Commune,		
company)	Hung Nguyen District, Nghe An Province, Vietnam		
Central Liquefied Gas Development Co., Ltd	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh		
Central Elquened Gas Development Co., Etd	City, Nghe An Province, Vietnam		
Central Tien Phong Plastic Company Limited	Nam Cam Industrial Park, Nghi Xa Commune, Nghi		
Central Tien I nong I lastic Company Limited	Loc District, Nghe An Province, Vietnam		
Conheovang joint stock company – feed - Uk	Nam Cam Industrial Park, Nghi Xa Commune, Nghi		
Conneovang John Stock Company – feed - Ok	Loc District, Nghe An Province, Vietnam		
Eco-Pack International (Joint stock company)	WH8H+3J, Dien Tho, Dien Chau, Nghe An		
Em-Tech Vietnam Co., Ltd	Block 2, Vinh Tan Ward, Vinh City, Nghe An		
Em-Tech vietnam Co., Ltd	Province, Vietnam		

Company name	Address
Giao Hang Tiet Kiem (Joint stock company)	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh
Goertek Technology (Hongkong) Co.,	City, Nghe An Province, Vietnam Dong Hoi Industrial Park is located in Quynh Loc
Limited	commune - Hoang Mai town, Nghe An province
Goertek Technology Vina Company Limited	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh
Goertek Technology vina Company Limited	City, Nghe An Province, Vietnam
Great Longview Vietnam Co., Ltd.	VSIP Nghe An Industrial Park, Hung Tay Commune, Hung Nguyen District, Nghe An Province, Vietnam
Ha An M&E Investment and Development (Joint stock company)	Hamlet 1, Nghi long commune, Nghi Loc District, Nghe An Province, Vietnam
Ha Noi-Nghe An Beer (Joint stock company)	Nam Cam Industrial Park, Nghi Xa Commune, Nghi Loc District, Nghe An Province, Vietnam
Hai Chau confectionery (Joint stock company)	DONG HOI Industrial Park
Hoa Sen Nghe An one member company	Lot CN 1-8, Dong Hoi Industrial Park - Quynh Lap
limited Hoang Gia Viet Trading Service Company	Commune, Hoang Mai Town, Nghe An. VSIP Nghe An Industrial Park, Hung Tay Commune,
Limited Liability Company	Hung Nguyen District, Nghe An Province, Vietnam
Huy Hung General Construction Investment	1st Floor, Building 2, Huy Hung Commercial Complex,
(Joint stock company)	No. 73, Lenin Avenue, Ha Huy Tap Ward, Vinh City, Nghe An Province, Vietnam
ICEM Material and Construction (Joint stock	VSIP Nghe An Industrial Park, Hung Tay Commune,
company)	Hung Nguyen District, Nghe An Province, Vietnam
Khanh Vinh Co., Ltd	Dang Thai Mai Street, Hung Dong Commune, Vinh City, Nghe An Province, Vietnam
Khatoco Vietnam Chemical Factory - Branch	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh
of Khanh Viet Corporation	City, Nghe An Province, Vietnam
Mareep Company Limited	Hamlet 8, Dien Thinh Commune, Dien Chau District, Nghe An Province, Vietnam
Manage Durange Ml. Camana Limitad	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
Masan Brewery Mb Company Limited	Loc District, Nghe An Province, Vietnam
Matrix Vinh Limited Company	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh City, Nghe An Province, Vietnam
Phuong Truc Investment (Joint stock	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh
company)	City, Nghe An Province, Vietnam
Vinh City Post Office	No. 02, Nguyen Thi Minh Khai Street, Hung Binh Ward, Vinh City, Nghe An Province, Vietnam
Vain Naha An Ca. Ltd	VSIP Nghe An Industrial Park, Hung Tay Commune,
Vsip Nghe An Co., Ltd	Hung Nguyen District, Nghe An Province, Vietnam
Vu Huy Trading (Joint stock company)	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh City, Nghe An Province, Vietnam
Wood World Vietnam Ltd. (Joint venture	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
company)	Loc District, Nghe An Province, Vietnam
Mien Trung Mineral Resources (Joint stock	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
company)	Loc District, Nghe An Province, Vietnam
Minh Anh-Kim Lien Garment (Joint stock	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh
company)	City, Nghe An Province, Vietnam Bac Vinh Industrial Park, Nghi Kim Commune, Vinh
Minh Tri Vinh (Joint stock company)	City, Nghe An Province, Vietnam
Nanoco Vinh Company Limited	VSIP Nghe An Industrial Park, Hung Tay Commune, Hung Nguyen District, Nghe An Province, Vietnam
Nghe An European plastic one member	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
limited liability company	Loc District, Nghe An Province, Vietnam
Nghe An food agricultural materials joint	Khu kinh tế Đông Nam, Xã Nghi Long, Huyện Nghi
Nobe An Infrastructure Development and	Lộc, Tỉnh Nghệ an, Việt Nam
Nghe An Infrastructure Development and Construction Investment (Limited company)	No. 16, Le Hoan Street, Hung Phuc Ward, Vinh City, Nghe An Province, Vietnam
Nghe An Mineral (Joint stock company)	Nam Cam Industrial Park, Nghi Xa Commune, Nghi Loc District, Nghe An Province, Vietnam
Nghe An Pharmaceutical Medical Material	No. 16, Nguyen Thi Minh Khai Street, Hung Binh
and Equipment (Joint stock company)	Ward, Vinh City, Nghe An Province, Vietnam

Company name	Address
Nghe An Pp Woodchip (Joint-venture	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
company limited)	Loc District, Nghe An Province, Vietnam
	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
Omya Mineral Vietnam Company Limited	Loc District, Nghe An Province, Vietnam
Phihico Forest Products Processing and	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
Trading (Joint stock company)	Loc District, Nghe An Province, Vietnam
Trading (some stock company)	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
Plastic Gia Nhat Viet Nam Co., limited	Loc District, Nghe An Province, Vietnam
Quoc Trung Manufacturing & Trading (One	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh
member co., ltd)	City, Nghe An Province, Vietnam
D. I.C. I.C. I.(AT.I. A. W. (AT.)	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
Royal foods Co. Ltd (Nghe An, Viet Nam)	Loc District, Nghe An Province, Vietnam
Sai Gon Nghe An Petroleum (Joint stock	Block 1, Nghi Thuy Ward, Cua Lo Town, Nghe An
company)	Province, Vietnam
Sai Gon Packaging Group (Joint stock	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh
company)	City, Nghe An Province, Vietnam
	VSIP Nghe An Industrial Park, Hung Tay Commune,
Sangwoo Vietnam Company Limited	Hung Nguyen District, Nghe An Province, Vietnam
0.1. 0	No. 2A, Le Mao Street, Le Mao Ward, Vinh City, Nghe
Solar Power - Mk	An Province, Vietnam
	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
Son Nam (Joint stock company)	Loc District, Nghe An Province, Vietnam
Tan a Nghe An Trading and Production (One	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
member co., ltd)	Loc District, Nghe An Province, Vietnam
member co., ita)	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
Tan Hai Construction - Trading JSC	Loc District, Nghe An Province, Vietnam
Tan Khanh An Packaging (Joint stock	Bac Vinh Industrial Park, Nghi Kim Commune, Vinh
company)	City, Nghe An Province, Vietnam
Tdv VietNam Manufacturing and Trading	VSIP Nghe An Industrial Park, Hung Tay Commune,
Corporation (Limited company)	Hung Nguyen District, Nghe An Province, Vietnam
Technology Industrial Gas (Joint stock	VSIP Nghe An Industrial Park, Hung Tay Commune,
company)	Hung Nguyen District, Nghe An Province, Vietnam
	No. 2A, Le Mao Street, Le Mao Ward, Vinh City, Nghe
Thien Phu Company Limited	An Province, Vietnam
	No. 17, Pham Nguyen Du Street, Vinh Tan Ward, Vinh
Truong Giang (Limited company)	City, Nghe An Province, Vietnam
	Tan Thanh Block, Quynh Thien Ward, Hoang Mai
Viet Nam Envroy (Joint stock company)	Town, Nghe An Province, Vietnam
	Zone B, Southeast Nghe An Economic Zone, Nghi
Viet Nam mercury (Joint stock company)	Long Commune, Nghi Loc District, Nghe An Province,
viet ivain mercury (Joint Stock company)	Vietnam
Viat Nam Tachnalamy & Talacammunication	
Viet Nam Technology & Telecommunication	VSIP Nghe An Industrial Park, Hung Tay Commune,
(Joint stock company) Vietduc Glass Commercial (Joint stock	Hung Nguyen District, Nghe An Province, Vietnam
,	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
company)	Loc District, Nghe An Province, Vietnam
Vietnam Bse Electronics Company Limited	Nam Cam Industrial Park, Nghi Xa Commune, Nghi Loc District, Nghe An Province, Vietnam
Viotnam Nahaan Taguhana Animal Facel Ca	
Vietnam Nghean Tequhope Animal Feed Co.,	Nam Cam Industrial Park, Nghi Xa Commune, Nghi
Ltd.	Loc District, Nghe An Province, Vietnam VSIP Nghe An Industrial Book, Hung Tay Commune
Woosin Vina Co., Ltd	VSIP Nghe An Industrial Park, Hung Tay Commune,
	Hung Nguyen District, Nghe An Province, Vietnam

Appendix B presents the survey.

Appendix B. The survey.

Questionnaire

To whom it may concern,

We are students conducting research on the factors affecting investors' satisfaction in the Southeast Economic Zone of Nghe An Province.

We need your help to identify the influencing factors and measure the satisfaction of investors, accurately assess the current situation, and propose solutions to improve the investment environment of the Southeast Economic Zone of Nghe An Province.

Your answers and comments will be extremely beneficial to our research, and there are no correct or incorrect answers. We guarantee that all your information will be kept confidential and used solely for research purposes.

Instruction: Please indicate your degree of agreement with the statements below by ticking in the relevant box and filling in the necessary information.

I.	Ba	sic information	n			
	1.	Name of the in	nvestor/enterprise/proj	ect:		
	2.	Business indus	stry:			
	3.	Type of firm:				
		Dome	estic enterprise			
		□ FDI €	enterprise			
	4.	Year of invest	ment:			
	5.	Contact inform	nation (phone number o	r email address):		
II.	In	vestor satisfac	tion survey			
	Ple	ase complete the	e survey by ticking the	appropriate box:		
_						
1.	In	frastructure				
		• Convenie	nt transportation			
	Very	y unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
		• <u>Stable ele</u>	ectricity supply			
	Von	unsatisfied	Unsatisfied	□ Neutral	□ Satisfied	Uony satisfied
	very	,	ter supply (including d			Very satisfied
		Good wat	The supply (meruding c	Tamage and wastewa	The treatment system	<u>п)</u>
	Very	y unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
		• Adequate	communication syste	<u>m</u>		·
	Very	y unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
		• Adequate	financial services			
	1 7			N I		
	very	y unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied

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2. Location				
	aan a main naad			
Located in	ear a main road			
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
·	ear the airport			J
		П		
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
Located n	ear the railroad			·
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
• <u>Located n</u>	ear the seaport			
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
• <u>Located n</u>	ear a rich source of ra	aw materials		
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
• <u>Located n</u>	ear natural resources			
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
• <u>Beautiful</u>	<u>landscape</u>			
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
3. Cost • Low labor cos Uery unsatisfied	Unsatisfied	Neutral	Satisfied	□ Very satisfied
• Low intrastruc	cture fees (electricity	, water, communicat	<u>ion, etc.)</u>	
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
• Low rent	Offsatisfied	reutrai	Satisfied	very satisfied
Low rent				
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
• Low environm		11040141	Satisfied	, or j satisfied
<u> Low chvholm</u>		П		
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
• No informal c				J
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
4. Incentives				
• Attractive inv	estment incentive pol	<u>licy</u>		
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied

Neutral

□ Neutral Satisfied

Satisfied

Very satisfied

 \Box Very satisfied

Very unsatisfied

Very unsatisfied

Tax exemption or reduction

 $\underline{Free\ or\ reduced\ ground\ rent}$

Unsatisfied

Unsatisfied

•	Good trade pr	omotion policy			
Very	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
•	Good credit si	upport policy			
Very	unsatisfied		Neutral	Satisfied	Very satisfied
•	Fair treatment	<u>t between enterprises</u>	_		
•					
very	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
5. Hu	ıman Resources	2			
<i>9</i> . 110					
•	Well educated	<u>l workforce</u>			
Voru	unsatisfied	Unsatisfied	□ Neutral	Satisfied	∪ Very satisfied
very					very satisfied
•	Ease in recrui	ting employees that n	naten the needs of th	ie business	
Verv	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
v ei y	Abundant loca		ricuti ai	Datisticu	very satisfied
•	Abundant loca	<u>II workers</u>			
Verv	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
very			redutal	Datisfied	very satisfied
•	Highly skilled	<u>labor</u>			
Verv	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
•	Highly discipl		reduu	Satisfied	very satisfied
·	Ilighiy discipi		П	П	П
Verv	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
6. Lo	ocal Institutions	3			
	• Simple and	d fast administrative	<u>procedures</u>		
Very	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
	• Supportiv	e local government			
Very	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
	• Dynamic l	local governments cre	eate a favorable busi	ness environment for	businesses
Very	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
	• Support fr	com the Trade and In	vestment Promotion	Center of Nghe An I	<u>Province</u>
Very	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
v		ent agencies strictly c	omply with commit		•
Very	y unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
7. Liv	ving Environme	ent			
	<u> </u>	cation system			
	- <u>3300 edu</u>		П		П
Verv	unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
J					•

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 Quality he 	<u>ealthcare</u>			
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
• <u>Unpollute</u>	<u>d environment</u>			
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
• <u>Friendly l</u>	ocals_			
Uery unsatisfied	⊔ Unsatisfied	□ Neutral	☐ Satisfied	∪ Very satisfied
·	e cost of living	redual	Satisfied	very satisfied
- <u>Reasonabl</u>				П
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
Very unsatisfied The EZ m	Unsatisfied eets the investors' ex	Neutral pectations	Satisfied	Very satisfied
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
•	willingness to invest			J
Very unsatisfied	Unsatisfied	Neutral	Satisfied	Very satisfied
II. Please answer the		fied with the Southe	ast Economic Zone	of Nghe An Province.
. I lease state w	ny you are most satis	med with the Southe	ast Economic Zone (n Nghe An I rovince.
				 ne of Nghe An Provinc

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