Environmental Assessment of Iran's Industrial Development Strategic Policies by Strategic Factors Analysis Method (SWOT)

¹J. Nouri, ²J. Jassbi, ³M. Abbaspour and ⁴B. Maghsoudlou Kamali

¹Department of Environmental Health Engineering, School of Public Health,

Tehran University of Medical Science, Tehran, Iran

²School of Economics and Management,

Science and Research Campus, Islamic Azad University, Tehran, Iran

³Department of Mechanical Engineering, Sharif University of Technlogy, Tehran, Iran

⁴Department of Environmental Management, Gratuate School of the Environment and Energy,

Science and Research Campus, Islamic Azad University, Tehran, Iran

Abstract: The present investigation deals with the quality of capacity building and institutional strengthening of strategic environmental assessment (SEA) in the industrial sector as well as determining the environmental strategies for industrial sustainable development in Iran. The leading aim of this paper has been to systematize the environmental considerations in industrial development strategies, policies, plans and programs in the highest strategic decision making processes and to ensure environmental considerations and alternatives together with other economic and social considerations in the procedures, before the research processes. In order to analysis of Iran's industrial development strategies, a matrix method was used as one of the most practical techniques of strategic programing as; SWOT (strenghts, weaknesses, opportunities and threats). Eventually the result of SWOT matrix analysis, has been an indicative of the degree of need toward performing SEA in conection with the kinds of the country's industrial strategies in a categorizing priorities system. As among all the industrial strategic policies, have been screened and evaluated 2 strategies in the first priority and 4 strategies in the second priority. The industrial strategies with the first priority require; suitable capacity building for the formation of developing specialized mother companies in the sake of non-governmental sector development in idustrial sector and reaction with foreign companies with the intention of proceeding to international markets and attracting the foreign direct investment. Industrial strategies also require SEA in the second priority including supporting and encouraging strategies for the industrial exports, supporting and improving the supporting constitution of small and medium industries, creating foundations for joining to WTO and decreasing the governmental supervision and restriction in idustrial sector. The basis of the results of this study is achieving and realizing the conditions of environmental quality sustainability and industrial development sustainability in Iran calls for policy making and tremendous and strategic decision making on the basis of these strategies in the framework of SEA methodology and in the pre-research phase (policies, plans and programs) as well as performing EIA projects.

Key words: Strategic environmental assessment (SEA) · screening · plan · policy · program, · SWOT matrix

INTRODUCTION

Over the past three decades, there has been a vast application of EIA methodology, considering the effectiveness of this methodology [1]. However, there is still uncertainty about the effectiveness of the results gained by EIA studies, due to the negative environmental consequences caused by applying the policies not based

on environmental considerations [2]. This issue has been suggested at the international societies and to solve this problem over the recent years, a strategic environmental assessment methodology has been established as strongly decision support system in the highest levels of policy making in the framework of policies, plans and programs [3]. One of the procedures of the strategic programing process is to identify the

analysis skills in the preparation and setting the programs as well as applying them in the last phase of the mentioned process [4]. Strategic planning has a dynamic process. This kind of planning is going to try for achieving into coming future with providence about existing realities and situations and effective strategies and methods. Strategic planning isn't a linear process for executing as step by step in a inflexible framework. Strategic planning basis is participating all involved people in defining aims and preparation of action patterns for achieving to the perpose. The strategic environmental assessment process always remains in balance with the sectoral or regional strategic programing process. Eventually, composing common programming or strategic policy making process in Iran and necessities of a strategic environmental assessment is the results of the paper. This study tends to make use of this mentioned approach and method in relation with the Iran, s industrial sector to determine a environmental comprehensive strategy for industrial development. Thus, at the first different types of industrial development strategies in Iran are briefly discussed and analyzed on the basis of SWOT method. This research is carried out in 2002-2004 ın İran.

MATERIALS AND METHODS

The various methods are developed with different applications in strategic mangement and programming plans, the most important of which include [5]:

- System approach
- Ideal programming
- Delphi method
- Analytical hierarchy process (AHP)
- Multiple criteria decision making (MCDM)
- Strategic factors analysis strategies and matrix method (SWOT)

One of The most appropriate and strategic analysis and programing skills is SWOT matrix (the analysis of the strength and weakness points, opportunities and threats). Nowadays it is used as a new instrument for the analysis of gap condition by the planners and strategic assessors [6, 7]. Due to this reason, it is used in the paper. SWOT matrix is so expanded and is considered as a conceptual framework for the systemic analysis that leads to the inspection of factors and comparison of constraints, threats, damagable aspects, opportunities, demands and external environmental situations as well as the strategic strength and weakness views.

In fact, composing these factors will be on the basis for compiling four kinds of strategies as follows:

- 1. SO = Composing strengths-opportunities
- 2. ST = Composing strengths-threats
- 3. WO = Composing weaknesses-opportunities
- 4. WT = Composing weaknesses-threats

These strategies can make the strategic choices framework possible for the strategic auditing [8]. The mentioned strategies are designed and performed will be based on the external environment analysis (threats, constraints, damagable factors, demands and opportunities) and internal environment (weaknesses and strengths). The application of the mentioned skills in different countries has proved the potentialities and capabilities of the innovative and effective SEA approach as one of the most qualified of strategic auditing skills [9-11].

RESULTS

The study research aims is to enjoy the SEA approach in connection with future industrial development strategies in Iran. Therefore in accordance with this objective, four strategic policies have been applied:

- 1. The Fourth Program of Economic, Social and Cultural Development in Iran (2005-2009).
- 2. Iran's National Spatial Plan (1996).
- 3. Land Use Planning Master-Plan in Iran (2003).
- 4. Iran's Industrial Development Strategy Plan (2003).

According to accomplished investigations, the aims of Iran's industrial development based on strategic policies of the country are summurized in the following 10 objects:

- Suitable capacity building for the rapid economic growth, developing general welfare and developing per capita income
- Increasing added worth in industrial sector
- 3. Economic and industrial self sufficient
- Achieving to knowledge of optimized management system in industrial institutions and nationalizing it's process
- Developing industrial export and effective presence in regional and global markets
- 6. Fundamental strengthening sustainable competitive space (economic competition) in industrial sector.

- Promoting the usage, quality and profitability in industrial institution
- 8. Optimizing, innovating and developing industrial technologies
- 9. Sustaining environmental quality and regional equilibrium in industrial sector
- 10. Increasing the country share in global industrial and economic reactions system

The types of Iran's industrial development strategies and scenarios based on the country's strategic policies also are consisting of the following 15 strategies:

- 1. Creating and spread use of new industries and industrial modern technologies containing electronic and it's subsectors, biotechnology, high technology (HT), nanotechnology and etc.
- 2. Assembling specialization rapid formation conditions in industries s upper and lower industries having relative advantage such as oil, gas and petrochemistry and creating the competitive advantage among machinery industries, process control systems, digging and mining equipments on the one hand and on the other hand, chemical industries
- Renewing, stabilizing and methodical integration and minimizing regional-economic difficulties resulting natural or compulsory reducing full grown industries missing sustainable competitive power such as leather, textile and some nourishment majors
- 4. Decreasing governmental supervision and restriction in industrial sector (developing industrial privatization)
- Physical, legal and institutional capacity building for joining to WTO and fundamental globalization of the country's industrial economic
- 6. Redistribution and ranking industrial areas in Iran and following industrial development of the country's spatial development system (Land use)
- 7. Reaction with foreign companies wih the intention of proceeding to international markets and attracting the foreign direct investment in industrial sector
- Supporting, improving and strengthening the supporting institutions of small and medium industries with the priority of private and cooperative sectors
- Designing, creating and developing the supporting and encouraging actions for industrial export in the framework of Iran's commerce policies
- Designing, improving and optimizing the institutional abilities and improving legal structure of industrial

- sector for realizing development activities, organizing and economic competitive
- 11. Suitable capacity building for formation of developing specialized mother companies in the sake of non-governmental sector development in industrial sector
- 12. Improving, developing and strengthening ICT and it's outputs in industrial sector for the sake of stakeholders and job creators access to required information
- Increasing use, improving industrial institutions management and converging the supporting activities of production chain such as research and development, designing and engineering, marketing and sale
- 14. Using and developing financial-nominal modern processes and strengthening the developed and specialized banks for industrial development
- 15. Renewing and modernizing the country's industries

According to the methodology of strategic factors analysis method (SWOT) and recognizing opportunities, threats, strengths and weaknesses resulting external and internal effective factors on development aims of industrial sector in Iran, at the first, each of effective factors have been identified as follows:

External effective factors on industrial sector, consisting:

- Political factors, containing:
 - Views of political parties
 - Foreign policy (International relations)
 - Aggravating international terrorism
 - Regional political status
 - America's political declaring against Iran
- Economic factors, containing:
 - Tariff constraints
 - Vacillations of foreign exchange rate
 - Limitation of financial sources (budget)
 - Increasing economic inflation rate
 - Joining Iran to world trade organization (WTO)
 - International economic reaction in Iran
- Social factors, containing:
 - Increasing employment demand
 - Increasing the migration rate
 - Improving the living system and house income sources

- Quality of governmental and private sector reaction
- Existing motivating in work environment
- Implementing and improving the businesses classification plan
- Developing the worker formations
- Technologic factors, containing:
 - Technologic positioning
 - Developing the research and development system
 - Access level to modern technologies
 - Existing usage level in production process
 - Level of existing technical and professional skills and trainings
 - Amortization of technology in the country
 - ICT development level in the country
 - Existing status of transportation system in the country
- Environmental factors, containing:
 - Effectiveness level of existing environmental laws, regulations and legislations
 - Environmental constraints and limitations in the country's areas
 - Environmental capabilities in the country's areas
 - Level of clean and compatible technologies with the environment
 - Usage level of environmental activities, approaches and procedures

Internal effective factors on industrial sector, consisting:

- Economic factors, containing:
 - Existing industrial investment rate
 - Industrial products pricing system
 - Industrial products market
 - Existing tariff constraints for industrial products
- Technologic factors, containing:
 - Access level to industrial modern technologies
 - Developing the research and development system in industrial sector
 - Existing use level in industrial production process
 - Industrial production rate in existing status
 - Industrial wastes production and wasting rate in existing status

- Amortization of industrial technologies in the country
- Social factors, containing:
 - Increasing the occupying human power in industrial sector
 - Current use rate of expert and specialist human power
 - Existing provocations in industrial privatization system
 - Creating employment opportunities status in industrial sector
- Environmental factors, containing:
 - Aggravating environmental effects and impacts in industrial sector
 - Increasing consumption amount of environmental resources
 - Level of existing industrial technologies compatible with the environment
 - Usage level of environmental activities, approaches and procedures

According to factors obtained, opporunities and threats matrix resulting external effective factors and strengths and weaknesses matrix resulting internal effective factors on industrial sector development aims in Iran, have been arranged in the Tables 1 and 2.

DISCUSSION

In the sake of SWOT matrix foundations establishment for analysing all strategic factors (opportunities, Threats, Strengths and weaknesses) in developing the industrial sector in Iran, four levels of strategies are considerated as follows:

Industrial development strategies based on SO strategy:

This strategy is narrative of the most desired condition in each position in SWOT matrix toward this ideal state, relying on which all the strengths, advantages and qualifications can be used to maximize the opportunities and demands. Among 15 industrial development strategies in Iran, the following 3 strategies are conformed with this strategies as:

 Increasing use, improving industrial institution management and converging the supporting activities of production chain work such as research and development, designing and engineering, marketing and sale

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Table 1: Opportunities and threats matrix resulting external effective factors on industrial sector development aims in Iran

	External effective factors of industrial sector										
Industrial development aims in Iran	Political fa		Economic factors								
	Views of political parties	Foreign policy (International relations)	Aggravating international terrorism	Regional political status	America's political declaring	Tariff constraints	Vacillations of foreign exchange rate	Limitation of financial sources (budget)	Increasing economic inflation rate	Joining to WTO	International economic reaction
Capacity building for the rapid economic growth, developing general welfare and developing per capita income	0	0	Т	Т	Т	Т	Т	Т	Т	0	0
Increasing added worth in industrial sector	0	0	Т	Т	T	0	T	Т	0	0	0
Economic and industrial self sufficient	0	0	Т	0	0	0	Т	T	0	0	0
Achieving knowledge of optimized management system in industrial institutions and nationalizing it's process	0	0	Т	Т	Т	Т	Т	Т	Т	0	0
Developing industrial export and effective presence in regional and global markets	0	0	T	0	Т	T	Т	Т	Т	0	0
Fundamental strengthening sustainable competitive space (economic competition) n industrial sector	0	0	T	Т	T	Т	T	Т	Т	0	0
Promoting the usage, quality and profitability n industrial institution.	0	0	T	Т	T	T	Т	Т	Т	0	0
Optimizing, innovating nd developing industrial echnologies	0	0	T	Т	Т	T	Т	Т	Т	0	0
ustaining environmental uality and regional quilibrium in industrial sector	Т	Т	Т	Т	Т	Т	Т	Т	Т	0	Т
increasing the country share in global industrial and economic reactions system	0	0	Т	Т	Т	Т	Т	Т	Т	0	0

Table 1: Opportunities and threats matrix resulting external effective factors on industrial sector development aims in Iran (Continued)

External effective factors of industrial sector

Social factors Quality of Existing Implementing Developing Increasing Improving the governmental motivating and improving employment Increasing the living system and and private in work the businesses the worker Industrial development aims demand house income source classification plan formations migration rate sector reaction environment Capacity building for the rapid economic Т Т Τ 0 0 0 growth, developing general welfare and developing per capita income Increasing added worth in industrial sector Т Т 0 Т 0 0 Economic and industrial self sufficient Т 0 0 Т 0 Achieving knowledge of optimized 0 management system in industrial institutions and nationalizing it's process Т Т Т Developing industrial export and effective 0 0 presence in regional and global markets Fundamental strengthening sustainable competitive Т Т Т Т 0 0 0 space (economic competition) in industrial sector Promoting the usage, quality and Т 0 0 Т 0 profitability in industrial institution. Т Optimizing, innovating and developing Τ Т 0 0 0 Т industrial technologies Sustaining environmental quality and regional Τ Т 0 0 Τ 0 Τ equilibrium in industrial sector Increasing the country share in global Т Т 0 0 Т 0 Т industrial and economic reactions system

O = Opportunity T = Threat

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Table 1: Opportunities and threats matrix resulting external effective factors on industrial sector development aims in Iran (Continued)

	External effect	ive factors of indust	rial sector							
	Technologic factors									
		Developing		Existing usage	Level of existing		ICT	Existing status		
		the research	Access level	level in	technical and	Amortization of		of transportation		
	Technologic	and development		production	professional skills	technology in	level in	system in		
Industrial development aims	positioning	system	technologies	process	and trainings	the country	the country	the country		
Capacity building for the rapid economic	T	0	T	T	T	T	T	T		
growth, developing general welfare and										
developing per capita income										
Increasing added worth in industrial sector	T	0	T	T	T	T	T	T		
Economic and industrial self sufficient	T	0	T	T	T	T	T	T		
Achieving knowledge of optimized	T	0	T	Т	T	Т	T	T		
management system in industrial										
institutions and nationalizing it's process										
Developing industrial export and effective	Т	0	T	Т	T	T	T	T		
presence in regional and global markets										
Fundamental strengthening sustainable	T	0	T	Т	T	T	T	T		
competitive space (economic										
competition) in industrial sector										
Promoting the usage, quality and	T	0	T	T	T	T	T	T		
profitability in industrial institution.										
Optimizing, innovating and developing	T	0	T	T	T	T	T	T		
industrial technologies										
Sustaining environmental quality and	0	0	T	Т	T	T	T	T		
regional equilibrium in industrial sector										
increasing the country share in global	Т	0	T	Т	Т	T	T	Т		
industrial and economic reactions system										

 $[\]bigcirc = \bigcirc pportunity \qquad T = Threat$

 $Table \ 1: Opportunities \ and \ threats \ matrix \ resulting \ external \ effective \ factors \ on \ industrial \ sector \ development \ aims \ in \ Iran \ (Continued)$

	External effective factors of industrial sector										
	Environmental factors	Environmental factors									
Industrial development aims	Effectiveness level of existing environmental laws, regulations and legislations	Environmental constraints and limitations in the country's areas	Environmental capabilities in the country's areas	Level of clean and compatible technologies with the environment	Usage level of environmental activities, approaches and procedures						
Capacity building for the rapid economic	T	T	0	T	T						
growth, developing general welfare and developing per capita income											
Increasing added worth in industrial sector	T	T	0	T	T						
Economic and industrial self sufficient	T	T	0	T	T						
Achieving knowledge of optimized management system in industrial institutions and nationalizing it's process	Т	Т	0	Т	Т						
Developing industrial export and effective presence in regional and global markets	Т	Т	0	Т	Т						
Fundamental strengthening sustainable competitive space (economic competition) in industrial sector	Т	Т	0	Т	Т						
Promoting the usage, quality and profitability in industrial institution.	Т	Т	0	Т	Т						
Optimizing, innovating and developing industrial technologies	Т	Т	0	Т	T						
Sustaining environmental quality and regional equilibrium in industrial sector	Т	Т	0	Т	Т						
Increasing the country share in global industrial and economic reactions system	Т	Т	0	Т	Т						

 $[\]bigcirc = \bigcirc pportunity \qquad T = Threat$

Table 2: Strengths and weaknesses matrix resulting internal effective factors on industrial sector development aims in Iran

	Internal effe	ective factors	of industria	l sector							
	Economic factors				Technologic factors						
Industrial development aims in Iran	Existing industrial investment rate	Industrial products pricing system	Industrial products market	Existing tariff constraints for industrial products	Access level to industrial modern technologies	Developing the research and development system in industrial sector	Existing use level in industrial production process	Industrial production rate in existing status	Industrial wastes production and wasting rate in existing status	Amortization of industrial technologies in the country	
Capacity building for the rapid economic growth, developing general welfare and developing per capita income	W3	W2	W3	S1	W3	S2	W4	S1	W3	W3	
Increasing added worth in industrial sector	W4	W3	W2	W2	W2	S1	W5	S2	W5	W4	
Economic and industrial self sufficient	W4	W3	W4	S2	W4	S3	W3	S2	W4	W3	
Achieving knowledge of optimized management system in industrial institutions and nationalizing it's process	W2	W2	W5	W3	W5	S1	W5	S1	W5	W5	
Developing industrial export and effective presence in regional and global markets	W3	W3	W5	W2	W5	S1	W5	S1	W5	W5	
Fundamental strengthening sustainable competitive space (economic competition) in industrial sector	W3	W3	W3	S2	W2	S2	W3	S2	W2	W2	
Promoting the usage, quality and profitability in industrial institution.	W2	W4	W4	S3	W4	S1	W5	W4	W5	W4	
Optimizing, innovating and developing industrial technologies	W2	W3	W4	S2	W3	S1	W5	W4	W4	W4	
Sustaining environmental quality and regional equilibrium in ndustrial sector	W1	W2	W2	S1	W3	S1	W2	W1	W5	W3	
Increasing the country share in global industrial and economic reactions system S = Strengths	W3	W2	W4	W3	W5	S2	W3	W3	W4	W5	

 $S = Strengths \qquad W = Weakness$

Table 2: Strengths and weaknesses matrix resulting internal effective factors on industrial sector development aims in Iran (Continued)

	Internal effective factors of industrial sector							
	Social factors				Environmental factors			
Industrial development aims in Iran	Existing Increasing the occupying human power in industrial sector	Creating Current use rate of expert and specialist human power	Aggravating provocations in industrial privatization system	Increasing employment opportunities status in industrial sector	environmental effects and impacts in industrial sector	consumption amount of environmental resources	Level of existing industrial technologies compatible with the environment	Usage level of environmental activities, approaches and procedures
Capacity building for the rapid economic growth, developing general welfare and developing per capita income	W2	W3	W2	W2	W3	W2	W2	W2
Increasing added worth in industrial sector	W3	W3	W3	W3	W2	S1	S1	S1
Economic and industrial self sufficient	W3	W4	W3	W5	W2	S1	S1	S1
Achieving knowledge of optimized management system in industrial institutions and nationalizing it's process	W4	W5	W1	W3	W4	W3	W5	W5
Developing industrial export and effective presence in regional and global markets	W4	W5	W2	W3	W4	W3	W5	W5
Fundamental strengthening sustainable competitive space (economic competition) in industrial sector	W2	W3	W3	W2	W2	S2	W2	W2
Promoting the usage, quality and profitability in industrial institution.	W5	W4	W2	W3	W3	W2	W3	W3
Optimizing, innovating and developing industrial technologies	W4	W4	W2	W3	W3	W2	W3	W3
Sustaining environmental quality and regional equilibrium in industrial sector	S1	W1	W1	W1	W5	W5	W4	W4
Increasing the country share in global industrial and economic reactions system	W2	W3	W3	W4	W4	W3	W5	W5

S=Strengths W=Weaknesses

- Improving, developing and stregthening ICT and it's outputs in indusrial sector for the sake of stakeholders and job creators access to required information
- Redistribution and ranking industrial areas in Iran and following the industrial development of the country's spatial development system (Land use)

Industrial development strategies based on ST strategy:

The aim of this strategy is to have the maximum use of the strenghts and intersectoral advantages to confront the constraintive conditions, threats and external (environmental) desractives and also to minimize them. Among the 15 industrial development strategies, the most strategies (6 strategies) are related to this strategy include:

- Using and developing financial-nominal modern processes and strengthening the developed and specialized banks for industrial development
- Designing, improving and optimizing the institutional abilities and improving legal structure of industrial sector for realizing development activities, organizing and economic competitive
- Creating and spread use of new industries and industrial modern technologies containing electronic and it's subsectors, biotechnology, high technology (HT), nanotechnology and etc
- Renewing and modernizing the country's industries
- Assembling specialization rapid formation conditions in industries, s upper and lower industries having relative advantage such as oil, gas and petrochemistry and creating the competitive advantage among machinery industries, process control systems, digging and mining equipments on the one hand and on the other hand, chemical industries
- Renewing, stabilizing and methodical integration and minimizing regional-economic difficulties resulting natural or compulsory reducing full grown industries missing sustainable competitive power such as leather, textile and some nourishment majors

Industrial development strategies based on WO strategy:

The objective of this strategy is to diminish and minimize the weaknesses and damagable aspects and to maximize the opportunities and demands. Among industrial development strategies in iran, the following 4 strategies are classified among these stratgies:

- Designing, creating and developing the supporting and encouraging actions for industrial export in the framework of Iran's commerce policies
- Supporting, improving and strengthening the supporting institutions of small and medium industries with the priority of private and cooperative sectors
- Physical, legal and institutional capacity building for joining to WTO and foundamental globalization of the country's industrial economic
- Decreasing governmental supervision and restriction in industrial sector (developing industrial privatization)

Industrial development strategies based on WT strategy:

The objective of this strategy is to minimize the damageable aspects and the strainted circumstances. This condition which is the most worring one, a need is strongly felt for the reassessing, reforming and strengthening of the structure performance, objectives and strategic policies. These strategies among the Iran's 15 industrial development strategies, include 2 strategies as:

- Suitable capacity building for formation of developing specialized mother companies in the sake of non-governmental sector development in industrial sector
- Reaction with foreign companies wih the intention of proceeding to interational markes and attracthing the foreign direct investment in industrial sector

According to these data obtained, Iran's industrial development scenarios and strategies SWOT matrix from the point of view of opportunities, threats, strengths and weaknesses based on 4 mentioned strategies (SO, ST, WO, WT) are shown in Table 3. With attention to the point that the objective of this part of the study has been identifying the need level enjoying a new approach for Strategic Environmental Assessment in connection with Iran's industrial development policies, it can be claimed that having the more tendency from SO strategy toward WT strategy, the less the environmental considerations are considered in the high strategic levels and dicision making.

Therefore, the stresses about environmental aspects, consequences of the presented policies, objectives and approaches increase. It is worth mentioning that the claim can be made upon the results for application of SWOT matrix method for screening and

Table 3: SWOT matrix of Iran's industrial development scenarios and strategies

	Internal effective factors							
External effective factors	Strengths	Weaknesses						
	Developing the research and development system in industrial sector Improving the industrial investment rate Industrial products optimized pricing Developing access to industrial modern technologies Optimizing the occupying human power in industrial sector Increasing use rate of expert and specialist human power Improving industrial productions rate	Amortization of industrial technologies in the country Consumption amount of environmental resources Existing motivating in industrial privatization system Creating employment opportunities status in industrial sector Industrial wastes production and wasting rate Level of existing industrial technologies compatible with the environment Usage level of industrial environmental activities, approaches						
	Promoting the industrial production usage and efficiency Strengthening the industrial products market	and procedures Industrial tariff constraints						
Opportunities	Increasing the use rate of industrial production SO Strategies	Environmental effects and impacts in industrial sector WO Strategies						
Desirability of political parties views Desirability of foreign policy (International relations) International economic reactions Joining at WTO Implementing and improving the businesses classification plan Improving the living system and house income source Environmental capabilities in the country's areas Desirability of technologic positioning Promoting the technical and professional skills and trainings level Promoting and developing ICT in the country Developing the effectiveness environmental laws and regulations Improving governmental and private sector reaction quality	Increasing use, improving industrial institution management and converging the supporting activities of production chain work such as research and development, designing and engineering, marketing and sale Improving, developing and strengthening ICT and its outputs in industrial sector for the sake of stakeholders and job creators access to required information Redistribution and ranking industrial areas in Iran and	Designing, creating and developing the supporting and encouraging actions for industrial export in the framework of Iran's commerce policies. Supporting, improving and strengthening the supporting institution of small and medium industries with the priority of private an cooperative sectors. Physical, legal and institutional capacity building for joining to WTO and fundamental globalization of the country's industrial economic. Decreasing governmental supervision and restriction in industrial sector (developing industrial privatization).						
Threats	ST Strategies	WT Strategies						
Aggravating international terrorism Increasing the migration rate Regional political status (Middle East) America's political declaring Environmental constraints of the country's areas Vacillations of foreign exchange rate Increasing the tariff constraints Limitation of financial source (budget) Increasing economic inflation rate Increasing employment demand	Using and developing financial-nominal modern processes and strengthening the developed and specialized banks for industrial development Designing, improving and optimizing the institutional abilities and improving legal structure of industrial sector for realizing development activities, organizing and economic competitive Creating and spread use of new industries and industrial modern technologies containing electronic and it's subsectors, biotechnology, high technology (HT), nanotechnology Renewing and modernizing the country's industries Assembling specialization rapid formation conditions in industries s upper and lower industries having relative advantage such as oil, gas and petrochemistry and creating the competitive advantage among machinery industries, process control systems, digging and mining equipments on the one hand and on the other hand, chemical industries Renewing, stabilizing and methodical integration and minimizing regional-economic difficulties resulting natural or compulsory reducing full grown industries missing sustainable competitive power such as leather, textile and some nourishment majors	Suitable capacity building for formation of developing specialize mother companies in the sake of non-governmental sector development in industrial sector. Reaction with foreign companies with the intention of proceeding to international markets and attracting the foreign direct investment in industrial sector.						

identifying the SO, ST, WO, WT strategic levels. Because of the present conditions in Iran, the existing problems regarding the fundamental application of policies and determining role of restrictions and strategic hindering obstacles and the real place of environment issue in Iran's policy making system, SEA qualified approach is practiced for the following industrial development strategies and in accordance with screening investigations.

The first priority required to SEA:

- Suitable capacity building for formation of developing specialized mother companies in the sake of non-governmental sector development in industrial sector
- Reaction with foreign companies wih the intention of proceeding to international markets and attracting the foreign direct investment in industrial sector

The second priority of need to SEA:

- Designing, creating and developing the supporting and encouraging actions for industrial export in the framework of Iran's commerce policies
- Supporting, improving and strengthening the supporting institutions of small and medium industries with the priority of private and cooperative sectors
- Physical, legal and institutional capacity building for joining to WTO and foundamental globalization of the country's industrial economic
- Decreasing governmental supervision and restriction in industrial sector (developing industrial privatization)

The result of the carried out studies through the strategic factors analysis method, reports that the strategic environmental assessment studies are needed to be accomplished in the phase of policy making of policies, plans and programs and also there should be environmental impact assessment in the level of the projects. The probability of different environmental effects as a result of executing 8 level industrial strategies with the irst priorty and 4 level strategies with the second priority in Iran provide more evidance for what is concluded:No need to mention that only in these conditions, achievement of environmental quality sustainability conditions as well as industrial development sustainability can be expected in Iran.

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