

A Study of Factors Responsible for Dawdling Industrial Development in Satara City of Maharashtra.

ABSTRACT

It is observed that industrial development in Satara is at slow pace compared to adjoin districts. Present article is an attempt to find out reasons behind the slow pace of industrial development. Study used descriptive research design and inferred opinions of sample on Political, Economic, Social and Technological variables (PEST) using likert scale. Fifty variables representing the PEST analysis have been developed to test. 123 samples include academicians, industrialists and other stakeholders of society were interviewed with the help of 50 variables. The Cronbach's Alpha score was 0.639 of this developed scale.

Factor analysis is used to find out the categories responsible for poor industrial development. Sixteen factors were extracted from the analysis. The factors were labeled as Political Will, Indispensable Geography, Cosmopolitan Stigma, Corporate Basics, Political Scarce, Industrial Feisty, Social Environs, Entrepreneurs Mesmerized, Obtainable Resource, Pecuniary, Humanity Factor, Industrial Opportunities, Political Makeover, Obtainable Energy, Refuge and Lacks of Mammoth Industrialization. The factor political will amounts to 12.75% of total variance hence contribute to the major cause of slow industrial development.

Keywords: PEST Analysis, Satara, Industrial Development, Factor Analysis.

INTRODUCTION

Industrial development is pivotal not for only economic development but also the development of society at large. Various factors contribute to the development of industry, few to quote, political, economic, social and technological. These factors are micro and macro environmental in nature. The environmental factors are dynamic and keep on changing these changes has considerable impact on industrial development. Present study is an attempt to

study the problems of slow pace of industrial development in Satara, state of Maharashtra on the magnitude of environmental factors.

Research Methodology:

From the opinions of academicians, industrialist and stalwarts in society, it has found that Satara district and especially Satara city has meager industrial development. The city is located at the center of Pune and Kolhapur (adjoined

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industrially developed districts of Maharashtra) the 300 kilometers renowned cluster of machining and foundry units in India. Besides this geographical advantage few manufacturing units in Satara has closed down and few has shifted to other locations. Researchers thirst is to find out problems behind slow pace of industrial development.

The prime objective of the research is to find out problems behind slow pace of industrial development in Satara city by using PEST analysis. PEST is acronym stands for Political, Economical, Social and Technological.

Research is undertaken in Satara city state of Maharashtra. Selected political, social and academic stalwarts have been interviewed. The required data is collected through secondary and primary sources. Opinions of industrialist, academicians and stalwarts in society have been assessed through structured codified scheduled. The schedule consists of 50 statements depicting PEST analysis. Likert scale is used to seek the opinion on these 50 statements. The opinions on

extent of agreement with the statement and the extent of its impact depicts the variables related to PEST were obtained. 123 samples including academicians, industrialists and renowned citizens were interviewed to collect desired primary data. Factor analysis is used to find factors out of these 50 variables.

The study is expected to reveal strategy to improve industrialization, which may prove turnaround for the social and economic upliftment of masses. The study may also facilitate guidelines to the political leaders and ministry of Industry; Government of Maharashtra on the magnitude of industrial development. The study may reveal in vertical and horizontal growth possibilities of industry.

Data Analysis and Discussion:

Since the measurement scale is developed by researcher the reliability of instrument is tested using Cronbach's Alpha. The reliability of 50 statements on agree and affected is independently calculated as follows.

Table - 1
Samples record & their perceptual agreement with statements.

Reliability Statistics		
Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.639	.649	50

The Cronbach's Alpha reliability counts to 0.639 which is reasonably good.

Table - 2
Samples record their & perceptual impact of variables on industrial development.

Reliability Statistics		
Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.788	.800	50

The reliability shows 0.788 which is reasonably good.

Since the reliability is good for both the structures for 50 items the structure kept as it is for final data collection.

Factor Analysis

Factor analysis is used to derive factors from these

50 variables. The study is based on PEST analysis hence the effort has been made through factor analysis to see whether the said 50 variables are classified into PEST group.

Table - 3
KMO for statements seeking extent of Agreement.

KMO and Bartlett's Test			
Kaiser-Meyer-Olkin Measure of Sampling Adequacy.			.520
Bartlett's Test of Sphericity	Approx. Chi-Square		3.117E3
	df		1225
	Sig.		.000

The KMO test shows adequacy of samples and variables to run the factor analysis.

Table - 4
Variance explained for statements seeking extent of Agreement.
Factors are extracted using principal Factor analysis as follows.

Total Variance Explained						
Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	6.378	12.757	12.757	6.378	12.757	12.757
2	4.791	9.582	22.339	4.791	9.582	22.339
3	3.702	7.403	29.742	3.702	7.403	29.742
4	2.712	5.425	35.167	2.712	5.425	35.167
5	2.136	4.271	39.438	2.136	4.271	39.438
6	2.011	4.023	43.461	2.011	4.023	43.461
7	1.815	3.631	47.092	1.815	3.631	47.092
8	1.738	3.476	50.568	1.738	3.476	50.568
9	1.678	3.357	53.925	1.678	3.357	53.925
10	1.584	3.167	57.092	1.584	3.167	57.092
11	1.486	2.973	60.065	1.486	2.973	60.065
12	1.364	2.727	62.792	1.364	2.727	62.792

13	1.321	2.641	65.434	1.321	2.641	65.434
14	1.254	2.508	67.942	1.254	2.508	67.942
15	1.122	2.245	70.186	1.122	2.245	70.186
16	1.088	2.177	72.363	1.088	2.177	72.363
17	.998	1.997	74.360			
18	.952	1.904	76.264			
19	.938	1.875	78.140			
20	.850	1.701	79.840			
Extraction Method: Principal Factor Analysis.						

Above table reveals that, 16 factors are extracted which amount to 72.36% of total information. The fifty factors are analyzed using rotated Factor

matrix for factors weightage. The factors extracted are presented in groups with labels as follows:

Table - 5
Factor number 1 – Political Will

Sr.	Statement	Factor
1	Politicians are willing to support industrialization.	.849
2	Politicians are willing to develop industry	.867
3	Political rivalry hinders industrial development.	.617

The Factor, 'political will' consists of three statements which profoundly talks of political factors responsible for industrial development.

This Factor exclusively represent as political Factor in PEST analysis amounts to 12.75% of variance explained.

Table - 6
Factor number 2 – Indispensable Geography

Sr.	Statement	Factor
1	Proximity to Kolhapur and Pune the developed industrial estates is advantages for Industrial Development.	.724
2	Satara is Popular Due Hill Stations and Holy Places.	.548
3	Attracting industrialist to establish units in Satara is necessary	.678
4	SEZ should be introduced in Satara to foster industrialization.	.531

The Factor, 'Indispensable Geography', consist four statements which talks of popularity of destination which may help to philip the

industrialization at said geography. The factor amounts to 9.58% of variance explained.

Table - 7
Factor number 3 - Cosmopolitan Stigma

Sr.	Statement	Factor
1	Young educated people are fascinated towards Pune for jobs.	.451
2	Lack of rail transportation facility hinders Industrial Development	.542
3	City lacking recreational facilities required by industry	.809
4	City is popularly known as retirement peoples' city.	.519
5	People lack entrepreneurship skills in Satara and vicinity	-.443

Factor, 'Cosmopolitan Stigma', includes five statements which refer to pitfall of city caused to slow industrial development. The factors like city is branded as retirement peoples city, the youths

are fascinated towards metros and also lack entrepreneurship skills and the like. This factor represent social factor in PEST analysis amounts to 7.40% of variance explained.

Table - 8
Factor number 4 – Corporate Basics

Sr.	Statement	Factor
1	Non Availability of Airport Hinders Industrialization	.496
2	Sufficient land is not available in Satara but available in vicinity of Satara	.691
3	Sufficient employment opportunities are existed in industry.	.783

Factor, 'Corporate Basics' includes three statements talks about major infrastructural flaws

i.e. unavailability of land and airport. The factor explains 5.42% of variance.

Table - 9
Factor number 5 – Political Scarce

Sr.	Statement	Factor
1	Political support is lacking for industrial development	.502
2	Politicians should themselves initiate entrepreneurship.	.810
3	Technological consultants are existed	.546

The Factor, 'Political Scarce' consist of three statements which majorly talks of political hope for industrialization. This Factor also talks of

political factor in PEST analysis which amounts to 4.27% of variance explained.

Table - 10
Factor number 6 – Industrial Feisty

Sr.	Statement	Factor
1	Maharashtra Government's taxation policy is competitive in India	.610
2	Cost of land for industrialization is competitive	.607
3	Electrical charges are affordable to industry	.682
4	Industry is lacking in technological advancement as compare to other industrial developed locations.	.699

Factor, 'Industrial Feisty' includes four statements mostly common expectations from industrialists.

This factor amounts to 4.02% of variance.

Table - 11
Factor number 7 – Social Environs

Sr.	Statement	Factor
1	Sufficient skilled labour is available in Satara and vicinity	.706
2	Migration of skilled labour hinders industrialization	.440
3	Sufficient entrepreneurship skills are existed	.641
4	Social committee should be form to change industrialization	.524

Factor, 'Social Environs' includes four statements depicts about skills both of labour and

entrepreneurial exists with society. This Factor represents social aspect in PEST analysis amounts to 3.63% of variance explained.

Table - 12
Factor number 8 - Entrepreneurs Mesmerized

Sr.	Statement	Factor
1	Sufficient skilled labour is available in Satara and vicinity	.706
2	Migration of skilled labour hinders industrialization	.440
3	Sufficient entrepreneurship skills are existed	.641
4	Social committee should be form to change industrialization	.524

Factor, 'Entrepreneurs Mesmerized' containing three statements depicts dilemma. The opportunity for industrialization is existed till

entrepreneurs are striving to metros for setting up enterprises. This also drives the point to lack of momentum of early start at the city. The factor amounts to 3.47% of variance explained.

Table - 13
Factor number 9 - Obtainable Resource

Sr.	Statement	Factor
1	Sufficient agricultural raw material is available in Satara and vicinity	.383
2	Water sources are ample for industry in Satara.	.614
3	Due to earthquake prone area hinders industrialization	-.791
4	Technological shops are available to quench thirst of industry	-.443

Factor, 'Obtainable Resource' includes four statements conveys the availability of raw material and water. The shops equipped

technology is also available to quench the thirst of industry. This Factor supports momentum of early start amounts to 3.35% of variance explained.

Table - 14
Factor number 10 - Pecuniary

Sr.	Statement	Factor
1	Sufficient monetary benefits are given to employees.	.820
2	Sufficient entrepreneurship opportunities are existed	.556
3	Technology is available of international quality	.631

Factor, 'Pecuniary' includes three statements support industrial development. The factor depicts opportunities existed at city directed to amounts to 3.16% of variance explained.

Table - 15
Factor number 11- Humanity Factor

Sr.	Statement	Factor
1	Beauracracy hinders industrialization	.410
2	Lack of road transportation facility hinders Industrial Development	.567
3	Society is not interested in industrial development at Satara	.764

Factor, 'Humanity Factor' includes three places also as beauracratc hindrances etc. the statements which are generally seen at other factor amounts to 2.97% of variance explained.

Table - 16
Factor number 12- Industrial Opportunities

Sr.	Statement	Factor
1	Majority of agri output is processed in Agro processed units in Satara	.495
2	Sufficient industrial raw material is available in Satara and vicinity	.774
3	Sufficient land is available for industrialization in Satara	.501
4	Society lacking in follow up of politicians for industrialization	.550

Factor, 'Industrial Opportunities', includes four statements talks of opportunities in the form of availability of raw material, land and the like. The

factor directs towards a hope of industrialization in the city amounts to 2.72% of variance explained.

Table - 17
Factor number 13- Political Makeover

Sr.	Statement	Factor
1	Transformation in political power may leads to industrial development.	-.385
2	Political change may Phillip industrialization	-.507
3	Process of licensing to start unit is easy in Maharashtra.	.743

Factor, 'Political Makeover' includes three statements which again talks of political factor. The factor directs that transformation in political

power would bring changes in industrialization in city. The factor amounts to 2.64% of variance explained.

Table - 18
Factor number 14- Obtainable Energy

Sr.	Statement	Factor
1	Electricity is Available In Sufficient Quantity.	.449
2	Regular power supply is existed to industry in Satara	.754

Factor, 'Obtainable Energy' is representing power required for industry. Power is strength of city

since its existence is sufficient. The factor amounts to 2.50% of variance explained.

Table - 19
Factor number 15 - Refuge

Sr.	Statement	Factor
1	Employee has got job security in local industry	.715

This Factor is labeled as; 'Refuge' housed only statements talks about employee job security.

The factor amounts to 2.24% of variance explained.

Table - 20
Factor number 16 - Lacks of Mammoth Industrialization

Sr.	Statement	Factor
1	Unavailability of Mega Projects hinders industrialization	.897

The Factor, 'Lack of Mammoth Industrialization' talks of unavailability of mega projects which is a moment of early start. This factor amounts to 2.17% of variance explained.

The PEST variables are covered in all above Factors. Three categories with difference talks

about political factor. Two Factors talks of social factor one throws light on technological factor and others support the rest environmental factors.

Exclusive Factor did not found on economic factor.

Table - 21

Factors agree up on the impact on industrial development in Satara.

Following is the comprehensive scenario of factors agrees up on by samples which have impact on the industrial development in Satara.

(n = 123)

Sr.	Factors	+ve Preferred	%	-ve Preferred	%	Mean Value	% Variance Explained
1.	Political Will	50	40.65	73	59.35	2.70	12.757
2.	Indispensable Geography	63	51.22	60	48.78	3.66	9.582
3.	Cosmopolitan Stigma	67	54.47	56	45.53	3.53	7.403
4.	Corporate Basics	51	41.46	72	58.54	3.39	5.425
5.	Political Scarce	57	46.34	66	53.66	2.68	4.271
6.	Industrial Feisty	85	69.11	38	30.89	3.48	4.023
7.	Social Environs	89	72.36	34	27.64	3.68	3.631
8.	Entrepreneurs Mesmerized	95	77.24	28	22.76	4.05	3.476
9.	Obtainable Resource	84	68.29	39	31.71	2.99	3.357
10.	Pecuniary	67	54.47	56	45.53	2.97	3.167

11.	Humanity Factor	79	64.23	44	35.77	3.32	2.973
12.	Industrial Opportunities	65	52.85	58	47.15	3.30	2.727
13.	Political Makeover	82	66.67	41	33.33	3.23	2.641
14.	Obtainable Energy	70	56.91	53	43.09	3.30	2.508
15.	Refuge	51	41.46	72	58.54	2.93	2.245
16.	Lacks Of Mammoth Industrialization	92	74.80	31	25.20	4.11	2.177

Source: (Compiled by researcher)

Sixteen factors were extracted from the data of 50 variables as above. The factor one labeled Political Will amounts for 12.75% of variance which is the maximum amount of variance explained. 59% of samples have marked their disagreement about the factor political will with a mean score 2.70. This state that political will to support the industrialization, development of industrialization and political rivalry as hindrance in industrial development is negatively agreed by samples.

The second factor is Indispensable Geography amounts for 9.582% of variance. This narrates the geography has potential for the development of industrialization. The mean score of factor is 3.66 states that the proximity to industrial developed cities has advantage for the development of industry in Satara.

The third factor is cosmopolitan stigma which amounts to 7.403% of variance explained. This factor is consented by 67% of samples with mean

score 3.53 explains that Satara is lacking in providing cosmopolitan environment. Youth of Satara are fascinated towards Pune and lacking of recreational facilities. Satara is positioned as retirement people's city.

Factor fourth is corporate basics amounts for 5.425% of variance explained and 72% of samples extend agreement with this factor stating that non availability of airport and land hinders industrial development at Satara. The mean score is 3.39 to this factor.

Industrial development is a cause of many aspects. 74.80% of samples with mean score 4.11 agrees that unavailability of mega projects hinders industrialization. 66.67% of samples are at opinion that political makeover may Phillip industrialization in Satara.

Geography of Satara is rich in raw material and supply of water but poor in political motive, availability of land and adequate transport facility especially rail and air transport.

Table - 22
KMO for statements seeking extent of Impact on Industrial development.

KMO and Bartlett's Test			
Kaiser-Meyer-Olkin Measure of Sampling Adequacy.			.520
Bartlett's Test of Sphericity	Approx. Chi-Square		3.117E3
	df		1225
	Sig.		.000

The KMO test shows adequacy of samples and variables to run the factor analysis.

Table - 23
Variance explained for affected variables.
Factors are extracted using principal Factor analysis as follows.

Total Variance Explained						
Factor	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	6.368	12.735	12.735	6.368	12.735	12.735
2	4.520	9.039	21.774	4.520	9.039	21.774
3	2.979	5.959	27.733	2.979	5.959	27.733
4	2.632	5.265	32.998	2.632	5.265	32.998
5	2.218	4.436	37.434	2.218	4.436	37.434
6	2.175	4.350	41.784	2.175	4.350	41.784
7	2.082	4.165	45.959	2.082	4.165	45.959
8	1.801	3.602	49.551	1.801	3.602	49.551
9	1.624	3.247	52.799	1.624	3.247	52.799
10	1.491	2.982	55.780	1.491	2.982	55.780
11	1.407	2.814	58.594	1.407	2.814	58.594
12	1.337	2.675	61.269	1.337	2.675	61.269
13	1.203	2.406	63.675	1.203	2.406	63.675
14	1.168	2.337	66.012	1.168	2.337	66.012

15	1.139	2.279	68.291	1.139	2.279	68.291
16	1.088	2.177	70.467	1.088	2.177	70.467
17	.996	1.992	72.459			
18	.940	1.879	74.339			
19	.888	1.776	76.114			
20	.864	1.728	77.842			
Extraction Method: Principal Factor Analysis.						

Above table reveals that 16 factors are extracted which amount to 70.467% of total information. The fifty factors are analyzed using rotated Factor

matrix for factors weightage. These sixteen factors are grouped and labeled as follows.

From the scale of strongly unaffected and strongly affected

Table - 24
Factor number 1 Enthralled Workforce

Sr.	Statement	Factor
1	Sufficient land is not available in Satara but available in vicinity of Satara	-.330
2	Entrepreneurs are fascinated towards Pune for establishing enterprises	.638
3	Employee has got job security in local industry	.592
4	Sufficient monetary benefits are given to employees.	.552
5	Technology is available of international quality	.688
6	Technological Shops are available to Quench Thirst Of Industry	.708
7	Technological Consultants Are Existed	.674

Factor, 'Enthralled Workforce', consists of 7 statements a mix of technological factors and

social and infrastructural. The factor amounts to 12.73% of variance explained.

Table - 25
Factor number 2 Political Mega Block

Sr.	Statement	Factor
1	Politicians are willing to support industrialization.	.851
2	Politicians are willing to develop industry	.825
3	Unavailability of Mega Projects hinders industrialization	.418
4	Sufficient industrial raw material is available in Satara and vicinity	-.385
5	Sufficient agricultural raw material is available in Satara and vicinity	.412
6	Lack of guidance to new entrepreneurs hinders industrial development in satara.	.398

Factor, 'Political Mega Block' consist of six statements is also a mix of political factor, raw

material availability and unavailability of mega project. The factor amounts to 9.03% of variance explained.

Table - 26
Factor number 3 Offered by Resource

Sr.	Statement	Factor
1	Political support is lacking for industrial development	.377
2	Electricity is Available In Sufficient Quantity.	.480
3	Attracting industrialist to establish units in Satara is necessary	.781
4	Sufficient skilled labour is available in Satara and vicinity	.423
5	Sufficient employment opportunities are existed in industry.	.661

The Factor, 'Offered by Resource' consist of five statements directed towards availability of

resources in the region to help Philip industrialization. This factor amount to 5.95% of variance explained.

Table - 27
Factor number 4 Resource Encroachment

Sr.	Statement	Factor
1	Regular power supply is existed to industry in Satara	.696
2	Social committee should be form to change industrialization	.538
3	Industry is lacking in technological advancement as compare to other industrial developed locations.	.598
4	City is popularly known as retirement peoples' city.	-.436

Factor, 'Resource Encroachment' consist of four statements which are again mix in nature depicts that city popularly known as retirement peoples

city, regularity of power supply and the like. The factor explained 5.26% of variance.

Table - 28
Factor number 5 Growth Hampers

Sr.	Statement	Factor
1	Beauracracy hinders industrialization	.707
2	Non Availability of Airport Hinders Industrialization	.394
3	Migration of skilled labour hinders industrialization	.626

The Factor, 'Growth Hamper' is uniquely consists three statements and directs towards those factors

which hinders the growth of industrialization in city. The factor explained 4.43% of variance.

Table - 29
Factor number 6 Political Enmity

Sr.	Statement	Factor
1	Political rivalry hinders industrial development.	.851
2	Political change may Phillip industrialization	.553
3	Sufficient entrepreneurship opportunities are existed	.448

The Factor, 'Political Enmity' includes three statements focuses majorly on political aspects

amounts to 4.35% of variance explained.

Table - 30
Factor number 7 Competitive Environs

Sr.	Statement	Factor
1	Politicians should themselves initiate entrepreneurship.	.452
2	People lack entrepreneurship skills in Satara and vicinity	.721
3	Maharashtra Government's taxation policy is competitive in India	.566
4	Majority of agricultural output is processed in Agro processed units in Satara	.599

Factor, 'Competitive Environs' consists four statements depicts political entrepreneurship, taxation policy etc. the factor explained 4.16% of variance.

Table - 31
Factor number 8 Natural Rewards

Sr.	Statement	Factor
1	Satara is on national highway no. 04 it is advantages for Industrial Development	.661
2	Proximity to Kolhapur and Pune the developed industrial estates is advantages for Industrial Development.	.643
3	Satara is Popular Due Hill Stations and Holy Places.	.492
4	Young educated people are fascinated towards Pune for jobs.	.626

The Factor, 'Natural Rewards' includes four statements highlights on the geographical attraction of location for industrialization. The factor amounts to 3.60% of variance explained.

Table - 32
Factor number 9 State of Mind

Sr.	Statement	Factor
1	Cost of land for industrialization is competitive	.719
2	Society is not interested in industrial development at Satara	.694

Factor, 'State of Mind' includes two statements talks about social interest in industrial development. The factor explained 3.24% of variance explained.

Table - 33
Factor number 10 Lack in Track

Sr.	Statement	Factor
1	Sufficient entrepreneurship skills are existed	.765
2	Society lacking in follow up of politicians for industrialization	-.404

The hopeful Factor, 'Lack in Track' talks about entrepreneurship skills with society but lacking the follow up of politicians for industrialization. The factor amounts to 2.98% of variance explained.

Table - 34
Factor number 11 More than Enough

Sr.	Statement	Factor
1	Water sources are ample for industry in Satara.	.740
2	Sufficient land is available for industrialization in Satara	.380
3	Lack of road transportation facility hinders Industrial Development	.384

The Factor, 'More than Enough' talks about sufficiency of infrastructure in the region. The factor explains 2.81% of variance.

Table - 35
Factor number 12 Within Your Means

Sr.	Statement	Factor
1	Process of licensing to start unit is easy in Maharashtra.	.782
2	Electrical charges are affordable to industry	.489

Factor, 'Within your Means', includes two statements which opens getaway to licensing to establish the unit and electrical charges. The factor explains 2.67% of variance.

Table - 36
Factor number 13 Frivolous Change

Sr.	Statement	Factor
1	SEZ should be introduced in Satara to foster industrialization.	.372
2	City lacking recreational facilities required by industry	.793

The Factor, 'Frivolous Change' depicts social aspect which is necessary for contemporary business, the recreational facilities. SEZ is a reform which attracts industry in thirst of tax

concessions. The SEZ may help to mobilize the industry growth. The factor explains 2.40% of variance.

Table - 37
Factor number 14 Troubling Shipping

Sr.	Statement	Factor
1	Lack of rail transportation facility hinders Industrial Development	.824

Factor, 'Troubling Shipping', include one statement pin point to the inadequate rail

transport facility. This factor explains 2.33% of variance explained.

Table - 38
Factor number 15 Power Shift

Sr.	Statement	Factor
1	Transformation in political power may leads to industrial development.	.756

Factor, 'Power Shift' contains one statement which hope for industrial development due

transformation of political power. This factor explained 2.27% of variance explained.

Table - 39
Factor number 16 Volcanic Change

Sr.	Statement	Factor
1	Due to earthquake prone area hinders industrialization	-.689

Factor, 'Volcanic Change', relate with geological aspects i.e. earthquake. The factor explained 2.17% of variance explained. Amongst the factors above four factors viz. enthralled workforce, political mega block,

offered by resource and resource encroachment amounts to 32.99% of variance explained. These factors should be addressed first on the magnitude of slow industrial development.

Table - 40
Factors affect on the industrial development at Satara.
 Following table describes the factor scenario for the factor
 which has affect on the industrialization of Satara.

(n = 123)

Sr.	Factors	+ve	% Preferred	-ve	% Preferred	Mean Value	% Variance Explained
1.	Enthralled Workforce	92	74.80	31	25.20	3.52	12.735
2.	Political Megablock	83	67.48	40	32.52	4.07	9.039
3.	Offered By Resource	85	69.11	38	30.89	3.85	5.959
4.	Resource Encroachment	82	66.67	41	33.33	3.72	5.265
5.	Growth Hampers	77	62.60	46	37.40	3.69	4.436
6.	Political Enmity	90	73.17	33	26.83	3.87	4.350
7.	Competitive Environs	84	68.29	39	31.71	3.86	4.165
8.	Natural Rewards	91	73.98	32	26.02	4.03	3.602
9.	State Of Mind	85	69.11	38	30.89	3.45	3.247
10.	Lack In Track	38	30.89	85	69.11	3.76	2.982
11.	More Than Enough	93	75.61	30	24.39	3.86	2.814
12.	Within Your Means	73	59.35	50	40.65	3.71	2.675
13.	Frivolous Change	72	58.54	51	41.46	3.43	2.406
14.	Troubling Shipping	86	69.92	37	30.08	3.99	2.337
15.	Power Shift	107	86.99	16	13.01	3.79	2.279
16.	Volcanic Change	22	17.89	101	82.11	2.20	2.177

Source: (Compiled by researcher)

First factor amounts to 12.73% of total variance, 74.80% of samples opine that the factor

enthralled workforce with 3.52 mean score believes that entrepreneurs are fascinated towards

Pune for establishing enterprises. Sufficient technological back up is available but non availability of land in Satara is agreed to be affected on the development of industry in Satara.

Second factor labeled as political mega block amounts to 9.039 of variance with mean score 4.07 and 83% of samples are of opine that second factor has an impact on the development of industry. Willingness of political people is major reason to concern.

The geographical set up of Satara is advantageous as percept by 73.98% of samples with mean score

4.03. 86.99% of samples with mean score of 3.79 are at opined that the political power shift may leads to development of industrialization in Satara.

Inferential Statistics

Researchers were interested to know the relationship between scores of factors samples agree upon and factors samples perceived to have an impact on industrial development.

Spearman's rank correlation is calculated in between samples opined on extent of agreement for statements and samples opined on extent of impact for statements.

Table - 41

Correlations			Agree	Affected
Spearman's rho	Agree	Correlation Coefficient	1.000	.354 [*]
		Sig. (2-tailed)	.	.012
		N	50	50
	Affected	Correlation Coefficient	.354 [*]	1.000
		Sig. (2-tailed)	.012	.
		N	50	50
*. Correlation is significant at the 0.05 level (2-tailed).				

The coefficient of correlation is 0.354 which is positive low which is significant at the 0.05 level.

Table - 42

Paired sample 't' test is applied to test the significance of difference of means.

Paired Samples Test									
		Paired Differences					t	df	Sig. (2- tailed)
		Mean	Std. Deviation	Std. Error Mean	99% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	Agree Mean – Affected Mean	-.41760	.48616	.06875	-.60185	-.23335	-6.074	49	.000

Table reveals that there is significant difference into the means of opinions of samples on extent of agree and extent of impact. The correlation in the preceding table found to be low positive and the paired't' test is significant implies that the perceptual opinion on factors agree with and factors affect of are significantly different.

Findings:

Findings for samples opined on statements designed to know the agreement.

The KMO Bartlett's test shows Respondent adequacy of 0.520 the test is significant hence further factor has extracted for samples mark for agreement to the statements.

Factors were extracted using principle Factor analysis for agreements to the variables are depicted below.

16 factors were extracted which amounts to 72.36% of variance explained, this 16 factors are labeled as Political will , Indispensable Geography, Cosmopolitan Stigma, Ease of Use, Political Scarce, Industrial Feisty, Social Environs, Entrepreneurs Mesmerized, Obtainable Resource , Pecuniary, Humanity Factor, Industrial Opportunities , Political Makeover, Obtainable Energy, Refuge, Lacks of Mammoth Industrialization.

The major factor in factor analysis reveals the Political will which amounts to 12.75 % variance. Initial three factors are very important to address those are, Political Will, indispensable geography and cosmopolitan sigma which amount to 29.74% of total variance.

Findings for samples opined on statements designed to know the perceptual impact on industrial backwardness.

The KMO Bartlett's test shows Respondent adequacy of 0.548 the test is significant hence further factor has extracted.

Factors were extracted using principle Factor analysis.

16 factors were extracted which amounts to 70.46% of variance explained, this 16 factors are labeled as Enthralled workforce, Political megablock, Offered by resource, Resource Encroachment, Growth Hampers , Political Enmity, Competitive Environs , Natural Rewards , State of Mind, Lack in Track, More than enough, Within your means, Frivolous Change, Troubling Shipping, Conversion, Volcanic Change.

The major factor in factor analysis reveals the enthralled workforce which amounts to 12.73 % of total variance. The factor political mega block amounts to 9.039% variance.

Suggestion:

To improve the industrialization in Satara, Researcher proposes following suggestion on the basis conclusions drawn.

1. Political transformation may help to improve industrialization in Satara. Political transformation in a since the changing attitude of political people towards Industrial Development, Political transformation in physical since may also lead to industrial development. It might be because physical political change may leads to change is attitude to industrial development.
2. Trained educated youths is an important resource in Industrial Development which is now migrating to other industrially developed locations, hence retention of this manpower should be thought of by attracting Mega projects in this location and making work environment lucrative.
3. Education for entrepreneurship development may be of great help.
4. The location of Satara has different perception which might have impact on Industrial Development one is perception as retirement people city, perception as only tourist place and perception as people of

Satara do not want Industrial Development these perception need to be change which may lead to attract entrepreneurs.

References:

1. Kothari C. R. (1978). Research Methodology, Vikas Publishing House Pvt, New Delhi. Second Edition
2. <http://www.satara.nic.in/>
21/12/2011 9.45pm
3. http://satara.nic.in/htmldocs/satara_history.htm
21/12/2011 7.45pm
4. http://satarainfo.in/about_satara
21/12/2011 7.45pm
5. http://www.whataboutu.com/list_Satara+district-10861.htm
15/12/2011 2.15pm
6. http://www.whataboutu.com/list_Satara+district-10861.htm
16/12/2011 3.50pm
7. <http://www.msamb.com/english/apmc/apmcs/satara.htm>
25/12/2011 7.45pm
8. <http://www.travelchacha.com/cities/maharashtra/satara.html>
28/12/2011 3.00pm
9. <http://mahapolice.gov.in/mahapolice/jsp/temp/Satarageneral.jsp>
28/12/2011 3.00pm
10. http://en.wikipedia.org/wiki/Satara_district
29/12/2011 8.30pm
11. http://en.wikipedia.org/wiki/Satara_district
29/12/2011 7.45pm
12. <http://maps.mapmyindia.com/explore/maps-of-South-Indian-States/Hutatma+Smarak-Satara+District-Maharashtra-2ED6BD.html>
18/12/2011 9.30pm
13. http://en.wikipedia.org/wiki/PEST_analysis 27/12/2011 8:30PM
14. <http://www.coursework4you.co.uk/essays-and-dissertations/pest-analysis.php>
27/12/2012 9:15 PM
15. <http://robdkelly.com/blog/getting-things-done/pest-analysis/27/12/2012:09:05PM>