

Analysis on Strategy and Countermeasure of Tangshan's Urbanization

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Abstract: The urbanization is the urban development important aspect, speeds up the urbanized development, is advantageous in the urban economy and the competitive power enhancement. In development in recent years, Tangshan urbanization level distinct enhancement, but still had the problem. The article makes from three parts to Tangshan's urbanized development analyzes and proposes the countermeasure. First, expounded that anything is urbanized and the urbanized strategy; Next, makes the analysis to the Tangshan urbanization development present situation; Finally, proposes the strategic countermeasure.

Keywords: Urbanized strategy; Industrial structure; industry gathers

I. First, Urbanized and Urbanized Strategy

As early as presented the city before five millenniums. Henceforth the urban development and the people live have are inseparable the relations, along with the industrial development, the urban scale expands, many rural population to the urban shift, form the urbanized advancement. In here us thought that the urbanization is a complex process. The village becomes the city in this process, the agricultural population to the non-agricultural population transformation. Along with this master line process, the urban scale will expand, the urban industrialization level, the modernized level in the enhancement, the city life way will strike root in the hearts of the people, urban management more scientific, the urban landscape will have the improvement. As a result of urban all sorts of changes, the people realized that can take to them to the city bigger satisfying with a more comfortable life, therefore the agricultural population will continue to the non-agricultural population's conversion process, such urbanized advancement unceasingly will be advanced.

The urbanization must realize by what kind of way involves to the urbanized strategy question. How is the urbanized strategy to should promote the path choice which the urbanized advancement carries on, is carries on the comprehensive plan, the instruction to the urbanized way, has the overall importance significance.

II. Tangshan urbanization development present situation analysis

The urbanization is the urban development important aspect, speeds up the urbanized development, is advantageous in the urban economy and the competitive power enhancement. In development in recent years, Tangshan urbanization level distinct enhancement, but still had the problem. the inspection urbanization may looked from the attribute rule and the endosarc rule two aspects. The attribute rule mainly refers to: Urban population proportion development change rule; The endosarc rule mainly refers to: The urban industry production and the structure promote, the evolution rule are the city industrial development to the urbanized influence rule. Below makes the analysis on above two aspect's rule to the Tangshan urbanization development's situation.

(1) Urban population proportion change

The urbanization mainly manifests in the quantity aspect for urban population quantity increase, some city urban population accounts for the whole city total population the proportion usually to be possible to reflect this urban the urbanized level. "S" the curve rule may obtain the urbanized level according to the US geographer Semu urbanized advancement below 30% is the initial period stage, 30%~70% are the intermediate stage, above 70% for the later period stage. May see the Tangshan urbanization level from Figure 4 to enhance unceasingly, and had a more obvious rise in 2002, the overall looked that the urbanized level was high, is at the intermediate stage.

Through the longitudinal comparison, the Tangshan urbanization presents the following characteristic: Looking from the province the situation, compares with other cities, Tangshan's urbanized level is in the leading position. The statistical data demonstrated that what in 2006 Hebei Province urbanization rate place first is Tangshan, second is Qinhuangdao, Tangshan is higher than the Qinhuangdao 12.97 percentage points; Is higher than the Shijiazhuang 17.26 percentage points.

Looking from the national situation, the selection population carries on the comparison in 7,000,000 about with the Tangshan same level scale city, in 2006 the Tangshan urbanization rate is higher than Nanchong, Zunyi peacefully, six and so on cities, differs not in a big way with Zhengzhou, but actually by far falls behind Shenyang, differs 29.18 percentage points. If except four municipalities and Wuhai, Xiamen, Ezhou, Shenzhen, Zhuhai, Foshan, Dongguan, Zhongshan, Haikou, three Asia, Jiayuguan, Lhasa, Kelamayi and so on special economic zone and some special 13 locally administered levels, carries on the national 266 locally

administered levels the comparison, Tangshan places 61st, is at relatively in advance the position.

(2) Industrialization and urbanization

Tangshan's industrial development has been making the very good progress in recent years, simultaneously also promoted the urbanized development, but Tangshan equally has the urbanized development with national many cities to fall behind the industrial development situation. According to Qiannali the classification which does to the stage of economic development (Table 1), Tangshan's average per person GDP and the GDP industry constitution and the labor force industry constitution (Figure 3, Table 3), may see Tangshan's industry economy level of development to be at the 6th stage, but Table 3 data indicated that Tangshan's urbanized level is at the intermediate stage, two stages are uncoordinated, urbanized level lag in industry economy level of development. This indicated that is following the industrialization advancement acceleration, Tangshan's urbanized level and the industrialization development has realized the coupling linkage.

May see by the above analysis, the Tangshan urbanization level lag the industrialization level which corresponds to average per person GDP, as shown in Figure 4. Tangshan 2004 - 2008 the urbanization rate increased is quite stable, the average growth rate was 1.448%, if take this as the standard, the Tangshan urbanization level of development fell behind the average per person GDP correspondence industrialization level approximately is 20 years. The urban economic development level and the urbanized level varying degree has the uncoordinated phenomenon, this is around the country the universal existence question. From now on Tangshan should try in the development to solve this problem, the use industrialization promotion urbanization development.

(3) Industrial accumulation and urbanization

Already formed during Tangshan's many year development many had the competitive power superiority industry, uses these superiority industry, enhances its industrial accumulation to be able to promote the Tangshan urbanization level further enhancement. Screens Tangshan's superiority industry and the leading industry using the analytic hierarchy process, the steel and iron industry ranks first in the superiority industry and in leading industry's place, therefore this industry is the Tangshan economic development important drawing strength, below take steel and iron industry as example confirmation industry accumulation and urbanized relations.

Weighs the industrial accumulation with the concentration factor. The concentration factor refers to some economic activity centralized degree based on this, the concentration factor speaking of the city to refer to the urban some Industry Department, according to relative numbers and so on population average output, output value, with national or entire district identical industry corresponding target ratio.

Formula:

$$C = (a/m)/(A/M)$$

In the formula C is the concentration factor, a is urban some Industry targets and so on Department's output either output value, m is the urban population, A is targets and so on national or entire district identical industry output either output value, M is the nation or the entire district population. The C value bigger expression centralism degree is stronger, the specialized level is higher. Generally thought that the C value is bigger than 1 for the quite strong centralized degree. Correlation data computations obtain the computed result like table 4 according to Table 3.

Make the correlation analysis the concentration factor and the urbanized level, obtains the correlation coefficient 0.864, proved that the industrial accumulation is highly related with the urbanized level. And under 0.05 significance level this result can through the significance examination, prove this result existence universal significance, therefore Tangshan should pay attention in present's development enhances the industrial accumulation, thus promotion urbanization development.

III. Development Countermeasure

According to the present Tangshan's urbanized present situation, we put forward the following several proposals to Tangshan's urbanized development:

(1) Walks the big urbanization developmental strategy

The big urbanization is refers to the economies of scale which forms along with social productive forces' enhancement to make the urban population to increase, thus makes the urban scale to expand unceasingly, the urban function consummates unceasingly. In the big urbanization's process may have the economies of scale effect, may also buy in the unified purchasing of farm produce by the state according to fixed quotes, simultaneously is big the urbanization developmental strategy is three industrial development unanimous request, does not have the big urbanization, is impossible to have three time industrial coordinated development. Therefore, Tangshan in urbanized developing process, regardless of from industrial development angle, angle which expands from the urban function, the big urbanized pattern will be it superior urbanization pattern.

(2) Advances the new industrialization

The world urbanization advancement indicated: The urbanization must with the industrialization and the economic development moderate synchronization. In the Tangshan urbanization's developing process, needs through the industrial structure promotion, the industrial accumulation enhancement to strengthen the urbanized advancement from the archery target aspect. The transformation development way, tries to advance the new industrialization. Insisting that take the project construction as the carrier, take the structural adjustment as the master line, take the scientific innovation as the power, the

implementation industry restructure, accelerates to form by the high technology and new technology for support's steel and iron, the equipment manufacture, chemical and the new energy, the environmental protection, biological medicine two "the tripod stands" the industrial development new pattern, making has the Tangshan characteristic new industrial system, goes out a resource conservation, the environment to be friendly diligently, the innovation actuation, the human resources superiority obtains the full display new industrialization path, the advancement urbanization advancement.

(3) Further enhances the industrial accumulation

The industrial accumulation already expounded to the industrial high speed development and the urbanized contribution in front, then needs Tangshan to complete enhances industrial accumulation each work to provide the lasting power for the urbanized development. First, making campus economy advancement industry accumulation. Must form some industrial development in the campus the upstream and downstream enterprise linkage development momentum, enables this campus to be able both to enjoy raw material in some industrial development the low price supply and to be able to enjoy the adequate and systematic service the quick convenience. Second, promotion human resources reasonable disposition and flowing. On the one hand various universities, scientific research institute behavior society each kind of enterprise provides the diversification the talented person, provides the strong message and the advanced technology directly for the enterprise; On the other hand various enterprises provide the direct employment for the graduate the opportunity. The industrial accumulation, reduced the enterprise and the talented person bidirectional search cost and the transaction cost. Simultaneously must take the industrial accumulation farmer's education question, also provides the good training environment for them, causes them also to obtain the actual benefit from the industrial accumulation, transforms as soon as possible into the urban population.

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Appendix One

Table 1 Syre Quinn - under Qiannali pattern GDP, labor force three industrial constitution

Step section	Average person (\$1980year)	per GDP	GDP industry constitution			Labor force industry constitution		
			Primary industry	Tertiary industry	Tertiary industry	Primary industry	Tertiary industry	Tertiary industry
1	< 300		48	21	31	81	7	12
2	300		39.4	28.2	32.4	74.9	9.2	15.9
3	500		31.7	33.4	34.9	65.1	13.2	21.7
4	1000		22.8	39.2	37.8	51.7	19.2	29.1
5	2000		15.4	43.4	41.2	38.1	25.6	36.3
6	4000		9.7	45.6	44.7	24.2	32.6	43.2

Table 2 Tangshan GDP and labor force three industrial constitution

Year	GDP industry constitution				Labor force industry constitution			
	Primary industry	The industry	second	Tertiary industry	Primary industry	The industry	second	Tertiary industry
2000	18.94	50.46		30.60	45.31	29.68		24.76
2001	17.85	51.10		31.06	42.67	31.58		25.74
2002	16.97	51.74		31.29	42.82	29.42		27.77
2003	14.96	55.20		29.84	41.90	32.23		25.87
2004	13.09	55.33		31.08	39.97	34.12		25.91
2005	11.6	57.3		31.1	36.44	36.26		27.30
2006	10.80	57.9		31.14	34.16	36.94		28.90
2007	18.3	57.4		32.3	32.46	37.72		29.81
2008	9.5	59.4		31.1	31.10	38.44		30.45

Table3 2000-2005 yearTangshan steel output comparative table

Year	Chian	Hebei	Tangshan
2000	12850	1526	393
2001	15266	1908	855
2002	18155	2660	1350
2003	22234	4035	2130
2004	27280	5641	2937
2005	35239	6766	3291

Table 4 Tangshan steel and iron industry concentration factor

Year	Steel and iron industry
2000	5.6
2001	10.61
2002	13.71
2003	17.70
2004	19.67
2005	17.7

Appendix Two

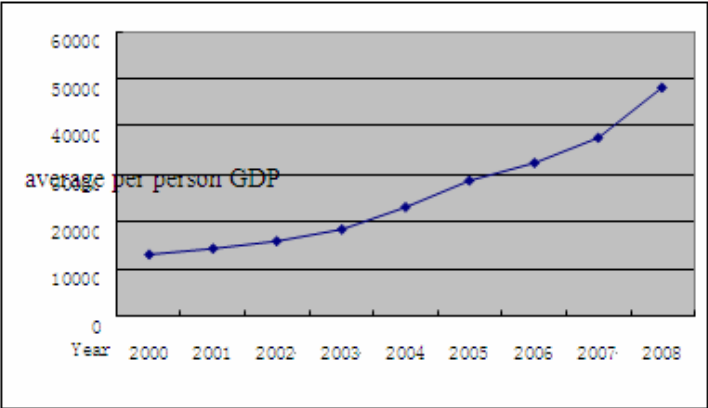


Figure 1 Tangshan 2000-2008 year average per person GDP change

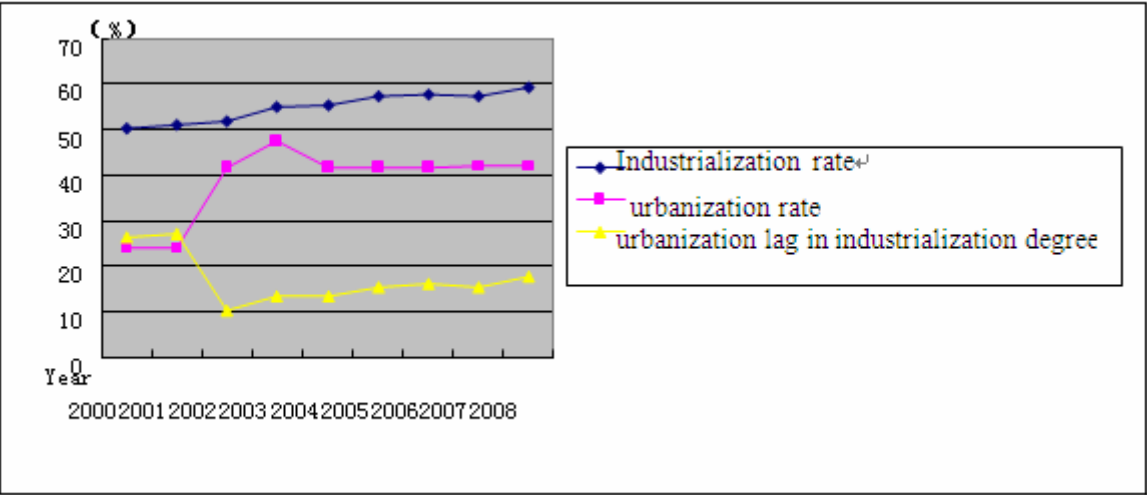


Figure 2 2000-2008 year Tangshan urbanization lag in industrialization degree