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Investigating Strategies of Providing Municipalities with Sustainable Revenues (Case study of Ivan)

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Abstract

Any activity in cities requires revenue and save costs, as a result prerequisite of having a stable income and resources Versatile and balancing expenditures and sources of income. At present, about 80 percent of municipal revenues related to the construction of the source of the problem now Encountered in these conditions should be able to cart our income from foreign products from a single variety of ways to make a stable income. In the city we do not have to worry. In the present study, we tried that, referring to the mayor Ivan sources of income and expenses between the years 2010 to 2014 to express solutions to increase municipalities stable income research in this cross-sectional study based on the figures and detailed plan of the city mayor Ivan with karbas bana Consulting Engineers.

Keywords: income-expense-municipal-ivan

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The expression problem

Nowadays, population growth and increased migration to cities, leading to uncontrolled urban development, creating new settlements, reduce the level of human well-being (Ortega & etal, 2011, 2). Unplanned construction, achieving the suburban (Garcia-Palomares, 2010, 197). And much problems for urban management, particularly in developing countries has been So that today these issues with urban decline in core concerns of urban planners It is certainly important that shadow adequate and sustainable financial resources will possible among different segments of urban management, financing and income are particularly important municipalities (Alden, 1996, 553). And a serious study of managers, urban planners and politicians also provides the main reference municipalities as director and coordinator of the affairs of (Saeidnia, 2005, 41), have a very important role in solving urban problems On the one hand, municipalities earn a major impact in providing services to citizens and the lack of sufficient income Not only because of lack of essential services in the city, but also basically run all the difficult urban plans (Jamshid zadeh, 2005, 29). A different municipalities and increasing municipal spending in the coming years will be difficult to justify (Gaderi, 2008, 23) .until that some like Peter Martin believes that most chances urban management in the third thousand, will focus on costs and earn money, will be the focus of policy at local management level (Martin, 1997, 103). Importance becomes clear when we know that more than 95% of the financial resources of local municipal revenues Funded in cities and dependence on government grants less than 5 percent. Although the founding municipality in 1909 followed by the new law, municipalities in 1942 legislation in the field of municipal finance situation, but proceeds, not so much to help state and urban systems is highly dependent on (Safari, 2006, 331) The issue of self-sufficiency and self-reliance of municipalities in 1985 and seeks to reduce its dependence on municipal income. Due to worsening problems of the

state and cities due to population growth and migration, high volume demand for municipal services And reliance on unstable revenues of municipalities, municipal authorities for difficult working conditions (Najjarian bahmaniri, 2001, 2) The lack of stable sources of income, it may be the founder of a lot of things in this research to study and identify resources and strategies for sustainable revenue paid to the city of Ivan.

Research method

method of this research, functional and descriptive-analytic methods also collect of information technology with library and documents, in the first research books, journals, magazine and etc. And then utilizes the data analysis coincident to the operation of municipal income and expenses in different periods of the mayor Ivan was received To study the financial aspects of municipal porch and income, and finally, according to the may or and city Ivan guide lines Finally, according to the may or and city Ivan to provide solutions in the field of sustainable income And continuous and cut costs for the municipality paid porch.

History of research

Ayatollahi, Alireza, in a study funded by the Municipality of France reach to this conclusion That the financial resources of the French municipal taxes and state aid in the form of funds, followed by the current government Regional and local, and finally borrowing facilities (Ayatollahi, 2010, 15).

Sullivan also believes that the composition of municipal financial resources is a collection of sale good sand urban services, a variety of taxes and central government grants. (. (Sullivan, 2003, 451).

Bechman in evaluate of tax confirm major source of income in the tax assessment, three major goals of the private sector to the public sector resources, equitable distribution of costs between the different levels, and economic increase for economic growth for taxes (bechman, 2000, 135)

Moazzi moghadam in an article entitled practices municipalities sustainable income, incomes ways include of direct service, local taxes, state aid, loans and borrowings from the perspective of optimality criteria and then justice has been carefully evaluated. (moazziMoghadam, 2004, 7).

Abedi Darkush in research with entitele as the financial management to municipalities reach to this result that municipals provide for themselves, have the local resources and there sources of the State benefit.(AbediDarkush, 2005, 9).

Ali Abadi and masoum with municipal revenue sources reach to this result that sustainable income resource have knows to the small share in the financing of municipalities. (Ali Abadiandmasoum, 2003, 8).

Finally Razzaziyan the most appropriate source of income in the urban economy and economic source economic that provide foundation for economic growth for all municipalities. (Razzaziyan, 2000, 45)

Research findings

Identifying financial facilities

Financial facilities of ivan municipality have been investigated in terms of expenditures and revenues. The results are as follows:

a) Investigating revenues of ivan municipality based on data obtained from Ivan municipality, the total revenue for this public entity has been 8762 to 21061Iranian million Rials between the years 2005 and 2009. The highest amount of revenue has been for the year 2009 (14093 million Rials) and the lowest amount has been for the year 2005(8762 million Rials).

During the years 2005, 2006, 2007, 2009 and 2012 the revenue amount has positively risen and during the years 2008, 2010 and 2011 it has negatively decreased.

Table 1: Revenue changes of Ivan municipality based on current price in the years 2005-2012 based on million Rials

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	2005		2006	i	2007	i d	2008	1	2009	010	2010		2011	1	2012
Income codes	Income rate	Income rate	Growth rate												
Revenues from general duties	775	1182	52/51	1443	22/1	1105	-23/42	2651	140	4781	80/34	6327	-32/33	3621	-42/76
Revenues from special duties	3805	4630	21/68	3835	-17/17	2985	-22/16	6464	116/5 4	5236	-17/45	6093	14/18	7677	26
Services and revenues from profit institutions	1287	4253	230/45	5591	31/46	5438	-2/73	8253	5176	5818	-29/5	3670	-37	2013	-45/15

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Revenues from funds and properties	244	305	25	3046	898/6	1306	-57/12	1659	27/02	1549	-6/63	1067	-31/12	857	-19/68
Financial support from government and governmental organizations	136	50	-63/23	0	0	345	0	1856	438	644	-65/3	22	-96/58	2049	9214
Donations and gifts	315	359	13/96	385	7/24	272	-29/35	940	246	1964	109	1728	-12/02	2994	73/26
Other revenues	2200	615	-72/04	91	-95/86	1031	1033	2367	120	1735	-23/46	1473	-15/1	1846	26/32
Total income	8762	11394	30/03	14391	26/30	12484	-13/25	24093	93	21827	-9/4	20380	-6/63	21061	3/32

Source: Data obtained from Ivan municipality 2014

Investigating the municipality resources on the basis of fixed price shows that during the years 2005 and 2012 the highest growth rate has occurred during the years 2008 to 2009(87.62 percent) and the lowest growth rate (-26.33 percent) has occurred during the years 2007 to 2008. The municipality growth rate during the years 2005 to 2006 has been 16.44 percent and it has been 8 percent between the years 2006 and 2007 and it has been -20.79 between the years 2009 and 2011 and it has been -20.45 between the years 2010 and 2011 and finally it has been -14 between the years 2011.

Table 2: changes in municipality revenues based on the constant price during the years 2005 and 2012: million Rials

	2005	2006		2007		2008	2003	2000	2010		2011	2012		
Income codes	Income amount	Income amount	ن Growth rate	Income amount	Growth rate	Income amount	Growth rate	Income amount	Income amount Growth rate	Growth rate	Income amount	Growth rate	Income amount	Growth rate
Revenues from general duties	691	944	36/61	958	4/34	642	-34/92	1313	2017 104/83	53/62	2275	12/79	1085	-52/31
Revenues from special duties	3394	3398	8/59	7618	-29/20	1730	-34	3201	2251 85/02	-29/68	2190	-2/71	2299	5
Services and revenues from profit institutions	1148	3397	195/9	3816	12/33	3152	-17/40	4087	2455 30	-140	1319	-46/27	306	-54/28
Revenues from funds and properties	218	244	11/92	2079	752	757	-63/58	821	654 8/45	-20/34	384	41/28	257	-33/1

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Financial support from government and governmental organizations	121	40	-67	0	0	200	0	919	272 360	-70/40	∞	-97/1	614	7575
Donations and gifts	281	287	2/13	263	-8/36	158	-99/51	465	829 194/3	87/27	621	-25/1	897	44/44
Other revenues	1963	491	-75	62	-87/37	598	864	1122	732 -13/03	-34/76	529	-27/73	553	4/53
Total income	7816	9101	16/44	9823	∞	7237	-26/33	11928	9210 87/62	-22/79	7326	-20/54	6308	-14

b) Investigating Ivan municipality expenditures

Municipality expenditures include two main current and construction expenditures as follows:

Current expenditures: These expenditures include personnel, administrative, capital and profit expenditures.

Construction expenditures: these expenditures include the types of expenditures which the municipality pays for implementing different development programs and urban development. These expenditures are: urban development planning, sewer system planning, urban transportation system planning, creation and development of water supply facilities, urban protection equipment, urban environment improvement, planning for other equipment and facilities, planning for establishing cultural, entertainment and sports centers and planning for repaying depts.

Investigating the municipality expenditures on the basis of current price between the years 2005 and 2012 shows that the expenditures have risen. The municipality expenditures have increased from 13890 million Rials in 2005 to 19567 million Rials in 2012.

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		2005	2006		2007		i c	2008		2009	t	2010	2011	2		2012
CI	Expense codes	Expense amount	Expense amount	Growth rate	Expense amount	Growth rate	Expense amount	Growth rate	Expense amount	Growth						
current	personnel	2142	3000	40/05	4427	47/56	5215	17/8	5829	11/77	5546	-4/85	6050	9/1	5390	-10/91
	administrative	8426	837	-90/06	908	8/48	1296	42/73	1718	32/56	1456	-15/25	2184	50	2804	5/5
	investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	profit	791	313	74/86	12	-96/16	162	1250	804	396/0	12	-98/51	2004	260	2066	821	6	2
	Total current	10747	4150	-61/38	5347	28/84	6673	23	8351	27/1	7014	-16/01	0474	8404	21	9015	6/13	
	Urban development planning	310	282	-9/03	254	-9/92	1585	524	443	-72/1	603	26/11	ò	780	29/35	42	-94/61	_
	Sewer system planning	0	0	0	0	0	0	0	0	0	0	0	<	>	0	0	0	_
	Urban transportation planning	1288	3080	139	6348	106	2148	-66/16	9739	353/4	5909	-39/33	2000	6002	1/57	6500	8/29	
construction	creation and development of water supply facilities	0	0	0	0	0	0	0	0	0	0	0	C	>	0	0	0	_
tion	Urban protection planning	0	28	0	0	0	0	0	165	0	0	0	<	>	0	0	0	_
	Urban improvement environment	348	1105	217	789	-28/5	666	-15/58	1565	135	1042	-33/42	000	568	-45/48	2225	291/71	
	Planning for other urban facilities	38	18	-52/38	129	617	162	25/5/	1242	666/7	4341	249/52	5150	3106	-26/37	1760	-44/93	
	Planning for sports, cultural and entertainment centers	1159	164	-85/49	212	29/26	25	-88/20	84	236	164	95/23	-	-	-99/4	25	2400	_
	debts Total amount of construction expenditures	3143	4677	48/8	7732	56/31	4586	40/68	13238	188/7	12059	-8/9	10547	10547	-12/53	10552	0/05	_
	total	13890	8827	-36/45	13079	48/17	11259	-14/68	21589	93/46	19073	-11/65	17041	19041	-0/17	19567	2/76	
	Table 4 show	s the	grow	th c	hang	es of	f the n	nunio	ipali	ty on	the	basis	s of c	cons	tan	ıt p	rice	_
	Expen	2005	0002	2006		2007		2008		2009		2010			2011		2012	
	Expenditure codes	Expense amount	Expense	Growth	Expense amount	rate	amount	rate	Expense	Growth rate	allioulit	Expense	Growth rate	Expense amount	rate	Growth	Expense amount	Growth rate
	personnel	1910	2396	25/37	3022	26/12	3023	0/03	2887	4/5		2340	-1894	2175	:	-7/1	1615	-25/74
current	administrative	7516	669	-91/1	620	-7/32	751	-8/41	851	13/31		614	-27/84	785	ļ	28	840	7
-	investment	0	0	0	0	0	0	0	0	0		0	0	0		0	0	0

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	profit	160	250	56/25	∞	-96/8	94	1075	398	323	5	-98/74	93	1760	246	164/5
-	Total current	8586	3315	-65/41	3650	10/10	3868	6	4136	7	2959	-28/45	3053	3/18	2700	-11/56
	Urban development planning	276	225	-0/88	173	-23/11	919	431/21	219	-79/16	254	6	280	10/23	12	-95/71
-	Sewer system planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Urban transportation planning	1149	2460	114/1	4333	76/14	1245	-71/26	4824	287/4	2493	-48/31	2157	-13/47	1947	-9/72
-	Planning for drinking water equipment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
_	Urban protection planning	0	22	0	0	0	0	0	82	0	0	0	0	0	0	0
construction	Urban improvement environment	310	883	1843/8	539	-38/95	386	-28/38	772	100	440	43	204	-53/63	666	226/5
-	Planning for other urban facilities	33	14	58/82	88	528/6	94	6/81	615	554/25	1832	197/8	1149	-37/28	527	-54/13
-	Planning for sports, cultural and entertainment centers	1033	131	87/33	145	10/68	15	-89/65	42	180	69	64/28	0/35	-99/4	7	1900
-	debts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Total amount of construction expenditures	2803	3735	33/20	5278	41/31	2659	-49/62	6554	146/48	5088	-22/36	3790	-25/51	3159	-16/64
	total	12389	4050	43/10	8928	26/63	6469	-27/54	10690	-83/47	8048	-24/71	6843	-14/97	5859	-14/37

c) Balance of revenue and expenditures

Calculating and analyzing revenue and expenditures on the current price basis can lead to effective results. However, when comparing different years, current price as criterion may not lead to certain results, because annual inflation is ignored and accordingly, the comparison does not show the reality and makes planning difficult. Therefore, to compare the municipality expenditures and revenues during different years, fixed price which includes inflation rate should be used. Information related to the municipality revenues on the fixed price basis during the years 2005 to 2011 has been presented in table 111-5 and graph 111-9.

Table 5: balance of the municipality expenditures and revenues on the fixed price basis during the years 2005 to 2012, unit: million Rials

•	, ,	-000		
Ξ	year	revenue	expenses	balance
Ī	2005	7816	12389	-4573
Ī	2006	9101	7050	2051
	2007	9823	8928	895
	2008	7237	6469	768
Ī	2009	11928	10690	1238
	2010	9210	8048	1162
	2011	7326	6843	483
	2012	6308	5859	449

Source: data obtained from Ivan municipality 2014 and counselor calculations

According to table 5 the municipality witnessed negative balance only in 2005 and during the years 2006 to 2011 it witnessed positive balance. In other words during the mentioned years the amount of revenues was more than expenses therefore the municipality did not face budget deficit.

Recommendations and guidelines to increase expenses and revenues

Regarding lack of income resources the municipality of Ivan, it is very important to investigate and find new resources of funding for the municipality.

In 2001 the aggregating toll bill was presented by the government and passed by Iranian parliament. According to the regulation tolls related to fuel, imported goods, marking vehicles, and other items must be taken nationwide and municipality receive their share of budget based on population or other ratings. In the recent years regulations related to the above rule have been prepared and announced and were implemented at the beginning of the year 2003. It is estimated that the municipalities' revenues increase considerably through government' payment.

To investigate ways to diversify and increase the municipalities' revenues different studies have been conducted. The most important study is the one which was conducted by the Urban Research and Planning Office- an office within the ministry of Interior- aimed at increasing municipalities' revenues and reducing their expenditures in 2002. Through correspondence and interviews with municipalities, this project classified suggested and income generating projects for municipalities in 10 groups based on table 111-9. The table suggestions can be considered as pattern or strategy for the municipality of Ivan.

Table 6: suggested and income generating projects for municipalities

NI.	Description of	Total	Municipalities	' ratings		
No.	suggestions	votes	1,2 , 3	5/4, 6	7,8,9	10,11,12
1	Tourist facilities and hotels	11/5	12/7	11/0	11/0	8
2	Amusement parks	5/3	5/6	3/4	7/0	8 14/
3	Creating amusement parks	10/2	7/0	10/6	10/0	8 14/
4	Facilities and commercial malls	11/5	11/3	12/3	10/0	11/
5	Vegetable markets	8/5	4/2	8/9	11/0	7/4
6	Terminals	8/5	7/0	8/9	10/0	3/7
7	Purchasing and hiring construction machines	12/7	16/9	12/3	12/3	7/4
8	Asphalt plants	10/6	12/7	10/6	9/0	2 11/
9	Crusher plants	9/7	9/9	10/2	9/0	7/4
10	Production and sale of sand	11/5	12/7	11/8	11/0	7/4
Total		0/100	0/100	0/100	0/100	0/100

Source: ways to increase the municipalities' revenues and reducing expenditures, Urban Research and Planning Office- an office within the ministry of Interior

In the mentioned study project to attract investments and public participations in the city construction, a general survey from city managers and municipal officials was done. According to the findings of the survey, municipalities outlined 8 groups of essential measures based on table 111-10 to increase revenues. Regarding the municipalities' ratings, the type of measures is considerable. According to the data presented in the table most of municipalities have regarded investment in income generating projects as one of the most important ways to increase revenues.

Table7: essential measures to increase municipalities' rvenues

NT.	Description of	Total	Municipaliti	ies' ratings		
No.	suggestions	votes	1,2,3	4,5,6	7,8,9	10,11,12
1	Improving urban management	9/2	6/1	10/0	10/0	7/1
2	Changes in regulations and responsibilities of municipalities	5/2	3/0	3/7	8/9	10/7
3	Providing state funds for income- generating projects	18/1	19/7	18/7	17/8	10/7
4	Reducing municipalities' expenditures	12/7	10/6	12/9	13/3	14/3
5	Getting total current urban toll	12/2	16/7	12/4	7/8	14/3
6	Increasing urban toll tariffs	11/5	12/1	10/8	13/3	10/7
7	Setting new tolls	12/7	12/1	13/3	11/1	14/3
8	Investment in income-generating projects	18/4	19/7	18/2	17/8	17/9
Total		100/0	100/0	100/0	100/0	100/0

Source: ways to increase the municipalities' revenues and reducing expenditures, Urban Research and Planning Office- an office within the ministry of Interior 2002.

Considering the fact that most of the financial resources for the municipality to perform construction projects so far have been awarded by government and governmental organizations and the government policy is to develop financial resources of public organizations and entities through increasing revenues in such

organizations and balancing between revenues and expenditures especially for the municipalities, all municipalities including the municipality of Ivan must seek new income codes through the ministry of interior and other legislative authorities to implement the assigned responsibilities and duties especially in the field of urban construction and development.

In addition the municipality of Ivan must implement revenue generating projects with the participation of private sector to increase revenues. Important points in this field are: the need for proper evolution and economic feasibility of the revenue generating projects against investments (including expenditure of investments, depreciation, repairmen, personnel related expenses, etc) and comparability and relevance to legal responsibilities of the municipalities as well as being public works and having priority based on suggested urban approved projects.

Some of the revenue generating projects which are appropriate and computable with the organizational and financial structure of the municipality are as follows:

- 1. Establishing regional and local vegetable and fruit markets
- 2. Investments recreational and amusement projects such as amusement parks
- 3. Establishing trade-service projects in the centers and in the predicted areas within the detailed plan
- 4. Establishing production and sale centers for seedlings, flower and seeds and service delivery of green space by vice chancellor in urban green space unit.
- 5. Establishing multipurpose educational, cultural and art centers
- 6. Allocating sums obtained from traffic and urban transportation fines to the appropriate urban organizations instead of depositing to the state treasury
- 7. Separating local tax from national tax for the municipality to benefit from local originated tax

To sum up, it is worth mentioning that in addition to seeking activities to increase its present revenues and obtaining new revenue resources, Ivan municipality must take various measures to reduce its expenditures. Such measures can lead to creating a balance between revenues and expenditures of the municipality.

These measures are outlined as follows:

- 1. To speed up assigning administrative tasks to the private sectors and developing appropriate mechanisms for this task
- 2. Reforming structure and organization and approving appropriate organizational chart to promote controlling and administrative capability of the municipality and reducing unnecessary expenses through changes in the existed organization to remove inappropriate units and parts
- 3. Incresing public participation through appropriate channels to involve people in decision making and assigning current affairs and tasks to people and public organizations
- 4. Developing automation and computer systems to perform affairs in different parts of the municipality
- 5. Constant use of services delivered by the counselor engineer, the provider of the detailed plan during the project period

Conclusion

One of the most important duties of public entities including municipalities is funding. Although financial resources of the municipalities are receivable in different ways, all of the resources are not sustainable revenues. Sustainability in resources necessitates two factors.

First, these items must be relatively sustainable and second receiving such revenues should not threaten and destroy the qualitative condition of the city. Nowadays, most of the municipalities in Iran including Ivan municipality face shortage of constant national resources. The findings of the present research show that during different periods constant revenues have had decreasing trend and unsustainable revenues have increased considerably so that the highest amount of revenues has been related to special tolls and services and revenues of nonprofit institutions. Regarding the fact that these resources are considered unsustainable revenues, they can cause many problems for Ivan municipality. Therefore, the municipality which is considered one of the important elements in urban management and delivery services to citizens is one of the responsibilities of this entity, should have sustainable in order to keep the city dynamic and alive.

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