

Establishment of Project Management System and Its Impact on Improving the Performance Indicators in the Field of Environmental Activities in Rasht Municipality

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ABSTRACT

The main objective of the research is assessment and analyzing the effects of the project management system on the efficiency of environmental activities of municipality of Rasht. Society of present study includes society of present study is managers - ranging from middle management and higher ,and senior staff involved with environmental projects or have experience in the units directly related to environmental activities municipality of Rasht. According to features considered in this study, population size is equal to 50. Data collection tool is a questionnaire and analysis of data shows considering that all that has averaged more than 3 that in total from managers and experts' opinion in survey research, establishment of project management systems cause improvement of environmental performance in project in four areas of cost, time, distance and status reporting processes.

Keywords: Project Management, Performance, Environmental Activities, the Municipality.

1. INTRODUCTION

In general ways of doing things are not taken seriously such that it is necessary as quite influential in the development, by the underdeveloped countries. In today's business environment is characterized by increasing competition, more forward fighting is going to win every day (Gilaninia, Amiri & et al, 2011). However, the developed countries, creating a reasonable balance between style and qualities have achieved a breakthrough in sustainable pace. The significance of the difference in price for the style and qualities, it is important from the very influential in the affairs of the national strategic deployment of the wrong practices in underdeveloped countries, the failure of programs that have been short term and long-term problem quality have always been radical. Tangible example of this difference is the method of budgeting in these countries. In complex global environment, unpredictable changes, time and uncertainty play an important role (Rezvani& et al, 2011, Ghavidel, 2011) While in developed countries, exist for years to the various development plans, is that there are different methods of budgeting. Project management and project management dates back to at least 4500 years ago without the knowledge of dates. Emergence of project management as a science was started from the First World War (Ahani & et al, 2011) in underdeveloped countries, budgeting has been from traditional format that always cause they face with imbalances problems between the proposed budget and defined programs. In Iran is years that they want to change traditional form of budgeting that its dating back of current method reach to over 50 years, but never necessary conditions for making change in macro system of state budgeting, in order of the multi-year programs that can fit changing procedures with practices , be flexible and changeable, is not provided (Akbarzadeh, 1996).

2. LITERATURE OF REVIEW

Project management system is one of the most flexible methods of the various administrative units, industrial and manufacturing that in last few years is become one of the fundamental elements of organizational planning ,with producing the specialized software. The current business environment is very different from the past and the competition has a special role (Ziakhosooi & et al, 2011). In project management allocation of manpower and facilities units of determining project with early and late activities and determining reasonable legal and illegal delays in project tasks are done simultaneously. This synchronization of project tasks, with increasing number of tasks become a great advantage in keeping the balance of progress in set of project activities. With such advantages, high costs for poor planning is not paid and project manager will have opportunity to review set of project activities with the aim of improving efficiency. Current experience in project management shows that most organizations that have used project management, better control and better relations with the buyers have experienced (Davis, 1974). With this description things that is done in a project

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management system, can be included in the following categories: planning tasks, estimation tasks, development timing, confirm the timing, the project activities, project Control and continuous monitoring of the project and project evaluation (Sawa, 2001). In fact project management system, offers simultaneous image of progress toward goal to the project managers. However this image can be altered with problems but certainly having a distorted image of the project activities is better than managing activities with closed eyes. Project manager should essentially give precise and sensitive consideration to nine tasks: project activity, time, cost, communications, human resources, quality, logistics, risk, and integration of project activities (Spinner, 80, p 9). In fact, progression of a project when can be faced with the most success that preventer factors of the progression be managed in rational way by the project manager, these preventer factors and troublesome can be classified as follows:

Projects normally may: 1) grow up in vain and foliage 2) change in the fundamentals and applications 3) do not meet the expectations of project managers 4) requires much more effort and resources are the primary program 5) involved in the project priorities imposed from outside. 6) May face with unforeseen situations 7) affected by lack of required and critical information 8) interrupted in the performance. 9) Affected by undetected accumulation of tasks performed 10) reach too late to the end (Sawa, 2001).

The project has a specific purpose that it should be reached in the framework. Start and end time is specified. Its budget has been set. The organization structure is formed in accordance with the type of product or activity that is committed to produce or deliver them. This means that employees are responsible for each of the tasks that are frequently required to perform them. This is true about all employees of an organization ranging from factory workers to hospital staff and business executives. Working days of a manager is not like lower level employees of an organization, however it is Responsible for a set of duties (such as the development of strategic plans and budgets, attending meetings and so on) each person has encountered in his career with a series of repetitive tasks.

Nevertheless in some cases things occur that company is not prepared to deal with them. Such practices in a non-repetitive it's been done before and in the future will not be repeated. For example, moving to a new location, the annual celebration or find new business opportunity for market entry, examples of this are available. Each of these tasks involved many of the organizations and yet not belonging to any particular part of the organization. The project approach is appropriate in these cases.

One way to deal with these things, do them in a traditional organization. Organization that will be considered as a base, it be established to perform these tasks in a project. The traditional organization, to undertake such work is not structured enough. The entire project is a unique work, the product is designed to obtain. Different sources are required and are limited to the time (Anderson, v and Turhag, 82, p 8).

With the qualities mentioned project management, is able to make organization flexible in the temporary position, in favor of allocating resources and costs, project management, is a skill-oriented deemed. In regard to time, the project activities should be performed with maximum efficiency and productivity and with minimal interruption of unauthorized. Project management, is a way to achieve big goals in an efficient and effective format. (Max Widman., 2003). Improving project management to a strategic level is a sensitive topic that all organizations are facing with it (Big Love, 2000).

Project management is management and operation time, materials, manpower and financial resources to complete the project by way of economic and at specified time, with funds available and considering all defined technical issues.

The problem is that organization of project is only possible way to accomplish specific objectives. For example design and build a great weapon system in due course and economically acceptable way except by the project organization is not really possible. It may be difficult, but it is only possible and effective (Meredith and Mantel, 1999, p 14)

Summary of Actions that in a management framework used in project management are as follows: Network analysis (graphical analysis): expresses operational plans by using a graphical chart.

Management by Objective: is a technical operation define goals and regular method for estimating the performance and comparison with the objectives of the project. It is used in planning and monitoring projects.

Management by exception: technical operation is another highlight certain problems that should be of interest to manager. Studies show that manager should not be involved in one time with more than 20% of their total project.

Cost reduction: This method can be tried without incurring high costs, reduce time and complete the project.

Allocation of resources: for each project activity resources are considered. The purpose of resources can be workforce (employees and workers), funding (fee required to perform activities), accessories, tools and materials.

Balance of resources: In this way activities somehow are scheduled that existing resources can be used uniformly throughout the project (Spinner, 2001, p 15).

Traditional project management structures have ability to perform accurate in some of the activities associated with each other in optimal time and allocation of desirable resources. Undoubtedly, such a temporary organization which has high efficiency has key role in creating flexibility in traditional structure.

This is exactly what that the researcher intends to consider it through explaining the effects of the project management system in environmental activities of municipality of Rasht, because the above mentioned design features the feasible examples of it can be clearly seen in municipalities of the province, shows the researchers emphasize on the importance and necessity of further implementation of this research project (Akbarzadeh, 1996).

3. Research questions

3.1. The main question

Is establishment of project management system effect on efficiency of environmental activities of municipality of Rasht?

3.2. Sub-questions

Is establishment of project management system cause cost reduction in environmental activities of municipality of Rasht?

Is establishment of project management system cause reducing time in environmental activities of municipality of Rasht?

Is establishment of project management system cause Reduce the distance of processes of environmental activities of municipality of Rasht?

Is establishment of project management system cause improvement in reporting status of environmental activities of municipality of Rasht?

4. RESEARCH METHOD

This study is examined the impact of establishment of project management system on efficiency rate of activities in environmental activities of municipality of Rasht in the form of four level s classified category. The main emphasis of this research is that dependent variable in this study, means efficiency rate of environmental activities in municipality of Rasht be considered a kind of efficient factor to evaluate the performance of such an organization and what is used in the research model, a level of classified and more accurate words a scoring system based on project management concepts be considered for this variable. The present study is managers - ranging from middle management and higher - and the senior staff involved with environmental projects or have experience in the units directly related to environmental activities municipality of Rasht, according to features considered in this study, population size is equal to 50. Due to the limited statistical Society members, sample size is considered equal to the population size. Means statistical Society members (50) are also studied as an example of research. In the present study survey tool is used to gather information. In this study, conceptual Credibility or validity method is used. Researcher Ensure Of the validity of their measurement tools in assessing the variables of study with reference to the experts believe and his faculty advisors, and the Cronbach's alpha coefficient is used to assess the validity of the questionnaire. Calculated Cronbach's is equal to 843. The questionnaire showed high validity in measuring discussed statistical features.

5. Analysis of data

Table 1) summarizes the results obtained from analysis of data

	Total	Mean	Standard deviation	skewness
Question 1	50	3.4733	.80 556	.092
Question 2	50	3.4400	.77 207	0.736
Question 3	50	3.4933	.75 665	-.562
Question 4	50	3.4600	.83 541	-.500

Answer to the first research question

Is calculated times for environmental projects reduced with establishment of project management system and also the interruption of existing projects is reduced?

The final mean of the first research question is greater than 3 and so the first answer of research is positive and from the perspective of managers and experts related in environmental activities of municipality of Rasht, establishment of project management system cause improving costs management of these activities.

Answer to the second research question

Is establishment of project management system cause reducing time in environmental activities of municipality of Rasht?

The final mean of the second research question, is greater than 3 and so the first answer of research is positive and from the perspective of managers and experts related in environmental activities of municipality of Rasht, establishment of project management system cause reducing time of these activities.

Answer to the third research question

Is establishment of project management system cause reducing the distance of processes of environmental activities of municipality of Rasht?

The final mean of the third research question is greater than 3 and so the first answer of research is positive and from the perspective of managers and experts related in environmental activities of municipality of Rasht, establishment of project management system cause reduce the distance of processes of these activities.

Answer to the forth research question

Is establishment of project management system cause improvement in reporting status of environmental activities of municipality of Rasht?

The final mean of the forth research question, is greater than 3 and so the first answer of research is positive and from the perspective of managers and experts related in environmental activities of municipality of Rasht, establishment of project management system cause improvement in reporting status of these activities.

Average obtained of the research questions confirms that ultimately in terms of managers and experts in survey research, establishment of project management system is improved performance in environmental projects in four areas of cost, time, distance and status reporting processes.

6. Conclusion and Suggestions

About improving the management of projects costs (Question 1): Positive evaluation is among managers and master staff related to environmental activities of municipality of Rasht about establishment of project management systems. According to the evaluation of respondents, establishment of project management systems is improved cost management of projects.

About improving time of projects activities (Question 2): Positive evaluation is among managers and master staff related to environmental activities of municipality of Rasht about establishment of project management systems. According to the evaluation of respondents, establishment of project management systems is improved time of projects activities.

About improving the distance of processes of project (Question 3): Positive evaluation is among managers and master staff related to environmental activities of municipality of Rasht about establishment of project management systems. According to the evaluation of respondents, establishment of project management systems, is improved the distance of processes of projects.

About improvement in reporting status of projects of municipality (Question 4): Positive evaluation is among managers and master staff related to environmental activities of municipality of Rasht about establishment of project management systems. According to the evaluation of respondents, establishment of project management systems, cause improvement in reporting status of projects.

Project management system, in the final and most development of their established conditions also is not only a coordinate reliable system in implementation of temporary projects in organizations and offices. What the project management is provided for enforcement of projects is a literature proportional to expectations of the parties involved in the projects.

Project management system with a fundamental change in the forums of working project, is formed of project implementers consideration of expected time for performing duties the way of allocation of project resources and also prevailing procedures in project costs management, provides This option that formed a reasonable proportion between the project quality and what can be called External requirements of project. Such a blessing in Iran that annually committed a variety of execution errors at extensive Levels in large projects can't simply be ignored. In Iran, government much smaller than what acts, thinks and much less than what promised, acts. Whether government postpone the implementation of a project for unknown reasons, is not strange but in norm, such imperative is from government certain authority with these qualities should be asked based on what the government is unconditional that can without paying to the reasons for existence of projects, that can without pay to the reasons for existence of projects, sometimes trapped short delay in them and sometimes even some of the projects is suffered from exhaustion caused by inclusion of time.

Such an unpleasant situation undoubtedly due to view of executive entities environment in which they are located. Thinking of executive entities is to maximize participation and involvement in administrative affairs, has led to the requirements and constraints in implementation of their projects, is part of project management system are considered insignificant by the government and mentioned executive organ. Likewise the annual dollars of public investment in Iran, is wasted in breakpoints and critical stopping of projects.

While part of state and semi-public structures, is trying to standardize their activities, is most parts of the country's municipalities, due to high volume related projects and the impossibility of creating teams of experts, including structures that are somehow suffered from lag in project policy.

In the present study municipality of Rasht, has been studied in term of environmental approach of project management. During the period reviewed was trying to collect correct information of how manage projects in municipality of Rasht, and the lack of timely data collection and classification itself indicates the current situation. Initially the intention of the researcher was provide conditions that developed in a simulation, to make a comparison between conditions after applying the project management system and achieve the existing conditions. Inability of municipality of Rasht in providing minimum data, prevent the implementation of mentioned project.

Inevitably survey research plan was on the agenda. Evaluation of managers related to environmental activities, because it was considered by the researcher that mentioned people assessment, had minimum level of reliability in the traditional structure of the municipality toward establishment of optimizing project management system.

The following suggestions are offered based on the results:

1. Although by limiting the respondents to the environmental management of municipality related activities, reinsurance results in present study have been achieved. But one can't simply pass along the fact that the best approach to evaluation of that simulation, was during a systematic and analytical field research. Due to the very unfavorable situation in municipality of Rasht classification of information do not done.

With these qualities researchers Preliminary suggests is before deploying any optimizer system such as project management system procedures governing the system of classification and maintenance of information in the municipality of Rasht should be changed. Only by having reliable and classified information can be assured of consequent of Sector developing programs. .

2. Assessment of associated managers of establishment project management systems in environmental activities of municipality of Rasht and its impact on the performance of these activities is positive. However, the researchers suggests is that after establishing a minimum level of acceptance in the traditional structure of municipality, towards optimizing system of project. Also effectiveness training should be designed with the aim of introduction to environmental managers of municipality of Rasht.

In the present study is not referring to bias positive or negative response of managers, due to their lack of knowledge of optimizer system of project. While such bias in terms of more information of managers will be minimal from aspects of optimizer system of project.

3. The final proposal of researcher is that according to the applicable diagrams and shots of project management system in administrative reported, the charts and shots, in administrative mechanisms of municipality be used more than proposals of full deployment of such systems. Until better introduction to project management system arise among employees and managers.

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