

ROLE OF PROJECT MANAGEMENT CONSULTANCY IN CONSTRUCTION

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Abstract: The construction industry usually deals with two types of construction sectors such as Infrastructure sector and Real Estate Sector. Residential, Corporate, Commercial and Industrial sectors come under Real Estate sector. Whereas Infrastructure sector deals with Railways, Airports, Ports, Roads etc. All these projects are very important for economic growth of the country. Project Management Consultancy play a very important role in providing services in such big projects. Project Management Consultancy provides services from start of the project till its completion. Use of Project Management Consultancy is very useful for construction project as it improves the efficiency of the project. The purpose of this paper is to study the Role of Project Management Consultancy in Construction. Management is the most important part in any construction project then the project may be small or large and therefore Project Management Consultancy comes into the picture. Project Management Consultants make sure that every activity is taking place smoothly at every stage of project and this helps in proper execution of work for any construction project. Project Management Consultancies provide effective measures to improve the efficiency of the project. Principles of project management are very important for successful completion of project within time and with minimum number of errors. Project Management establishes equilibrium in the project. In this paper we will be also taking into considerations the need for Project Management Consultancy, role of Project Management Consultancy and also some of the problems faced by these consultancies for successful implementation of the project. It is also very important for us to understand the responsibilities of Project Management Consultancy for the betterment of the construction of the project. In this paper we are going to identify the effectiveness, roles and responsibilities of Project Management Consultancy.

KEYWORDS: PROJECT MANAGEMENT CONSULTANCY, INDUSTRIAL BUILD

1. INTRODUCTION

In the field of civil engineering construction of various projects is very important or we can say is an essential factor. Project may vary from small scale to large scale, in small scale project things can be managed very easily but in case of large scale project multitasking is needed. So in large scale projects it is very very important to have Project Management Consultants. Project Management Consultancy has huge variety of tasks to be performed during various construction

activities. Usually the various activities are managed by project manager and these activities are being supervised by the construction manager.

Project Management Consultancies also provide design engineer, construction engineer, project architect along with project and construction manager. Project Management Consultancy is the best option to improve and increase the efficiency of the project in construction. The use of these consultancies have increased construction industry around the world. Efficiency in construction is needed to achieve the higher heights of standard.

Project Management Consultancy plan, monitor, schedule, manage the different activities which are involved in the construction process. Project Management Consultancy deals with various factors such as Scheduling, Cost Budgeting, Risk Identifying, Monitoring & Controlling. In all they make sure that everything is being done according to the planning which will help to finish the project in time and in the given budget. Management in the project work is essential for the economic growth as well as prosperity of society and to have best management skill we need to hire engineers, managers from Project Management Consultancy.

Project Management Consultants handles the project by the application of their skills, knowledge and experience and they overcome every possible error in the project. A well organized Project Management Consultancy also include various types of tools for better completion of the construction project. Project Management Book of Knowledge is a kind of reference to people in the profession of Project Management Consultancy. The terms described in this book of guide are essential within profession of Project Management Consultancy.

a. Need of Project Management Consultancy

- Sometimes there is a shortage of supervisor who can completely take care of the whole project, then in such cases we need some skilled and experienced managers who can take care of the project and such good managers can be hired from Project Management Consultancy.
- There is need of Project Management Consultancy for faster completion of the

construction project in given time and within given budget.

- To implement the requirement of the financial institutions.
- To meet the deadlines of the project it is very important to have Project Management Consultancy.
- It is required to maintain the quality of construction.
- Project Management Consultancies are needed for proper execution of every activity from start of the project to its completion.
- Clients requirements can be fulfilled by having Project Management Consultancy and also to achieve clients satisfaction it is essential to have Project Management Consultancy.

b. Roles and Responsibilities of PMC

- Managing projects and related various activities within given time, quality and budget.
- Providing guidelines regularly.
- Conducting periodic reviews to make sure that the project work is on the right track.
- Coordinating various functional activities from within and outside project management teams.
- Allocation of various activities among team members for the completion of project work within stipulated time period.
- Planning and forecasting various activities
- Organizing the different activities.
- Commanding and coordinating with the team members
- Monitoring the different processes which are involved in the construction of any particular project.
- Selecting most appropriate employ for the job.
- Managing the manpower for different works.

c. Challenges Faced by PMC

- Many times the Project Management Consultants have to face the problem of construct ability issues which are arising from the team members.
- While any construction project is taking place the consultants have to consider the meteorological problems and due to this certain limitations are formed.

- The Project Management Consultants may face some issue problems with the contractor which directly affects the project activities.
- Sometimes there may be delay in the delivery of the materials which are required for the construction in this case the project duration increases which in result increases the total cost for the project.
- The consultant has to deal with the safety issues of the workers on the site.
- Poor communication between the team members which may result into the failure of the construction project.
- Lack of Stakeholder is also a big factor of concern for the Project Management Consultancies.
- Inadequate skills of the team members can lead towards failure of the project which is again a tension for the project manager.

d. Objective

- To understand what is Project Management Consultancy.
- Identifying the roles and responsibilities of the Project Management Consultancy.
- To study the effectiveness of services provided by the Project Management Consultancy.
- To understand and evaluate the importance of PMC.
- To learn the applications of project management principles which can be useful in the construction of any project.
- To list out the services provided by the Project Management Consultancies.
- Developing a framework of services that should be provided by the consultancies.

II. LITERATURE REVIEW

There is no any specific definition for Project Management Consultancy. The Project Management Consultancies are defined by their roles and the services provided by them in order to accomplish the project. These consultants are appointed by the client or by the owner of the construction project. Consultants and contractors are almost similar to each other. Many of the contractors do the consulting on the other hand many consultants act as contractors. This connectivity between the contractors and consultants occur because the roles and responsibilities of consultants are very wide and which depend on the skill, knowledge and experience of the consultants.

Whenever construction of any project is going on the clients may feel that they need some expert knowledge in such

cases there is need of Project Management Consultancy. Opinion of consultants on various problems may reduce the problem or errors to a large extent and hence clients or owner of the project feel that there is a need of Project Management Consultancy. Project Management Consultancy is a service provided to the different construction projects by trained and qualified persons in order to make the project successful. Project Management is a very useful application for different construction processes. Project Management Consultancies manage, plan, implement, control, solve problems, take decisions using the principles of project management.

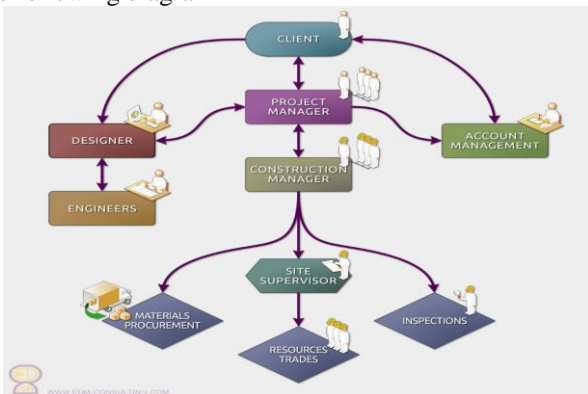
While any construction work is going on it is very important for that particular company or firm to achieve the goals and objectives set by the authorities. Project Management Consultancies work in a very proper way so that the company goals and objectives are easily achieved. There is no any unique or different solution for managing the construction work.

The proper execution of the construction project can be completed within short period of time because of planning provided by the Project Management Consultancies. PMC provides availability of the expertise from each field which increases the chances of project being a successful one. Project Management Consultancies provide the experts which can take very good care of the construction project. Project manager is responsible for the completion of the activities involved the project.

Type of services provided by the the consultancies depend upon the nature of the project. The services provided for the small scale project may be completely different from the services provided for the large scale project. Usually the work performed by the consultancies reduces owner's as well as client's tension. Project Management Consultants uses very simple process or plan to be applied in the project.

WBS is a very important tool which is used by the Project Management Consultants. Basically WBS stands for Work Breakdown Structure. WBS is a structure which helps the consultants to achieve the goals and objectives set by the company or the owner or any other higher authority. WBS includes all the necessary steps which are required for the achievement of the objectives.

Consultancies are happening because of clients or the owner of the construction project. How the clients approach the consultancies then how consultants plan and manage everything related to the project can be easily understood by the following diagram



As we can see first the client approaches the consultancies and let them know about their requirements. Once everything is finalized then designer, project manager, construction manager, various engineers, persons to manage account are provided by the consultancies. The site where the construction of project is going on is kept under the supervision of the construction manager.

Team of nearly around 5 to 6 people is provided by the consultancies who can take care of the project. All the activities performed are being observed by the this team which results in proper execution. Various works are divided in this team and accordingly they observe they look after the activity which they are suppose to look after. This team may consists of team manager, consultants and the associates or analysts.

There is only one team manager who looks after the following duties:

- Arranging regular meetings with all who are related with the project.
- The team manager works full time on the construction project.
- He oversees the duties of other team members on daily basis.
- He also guides the other team members.

Now there may be 1 to 2 consultants in the team and they have got the following duties:

- Same as the team manager the consultants also work full time on the project.
- Analyses the raw materials which are required for the construction purpose.

There will be one or two analysts who provides support to the consultants and the team manager.

Project Management Consultants are very beneficial for any construction project. There are so many uses or we can say the befits of hiring the consultants. Following diagram shows the benefits of the Project Management Consultancy.

Benefits of Hiring A Safety Consultant

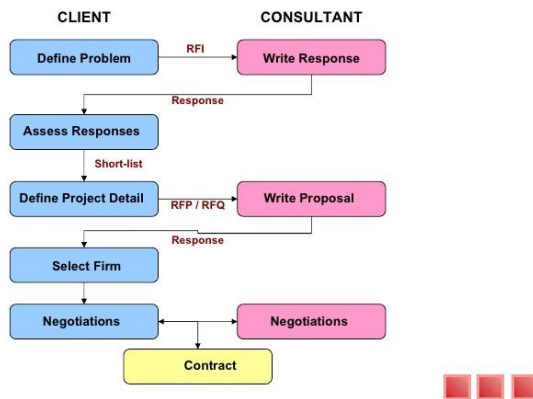


If we see the above figure we come to know that hiring Project Management Consultancy is very very beneficial for the project. In other words we can say that Project Management Consultancy is the best option which could be adopted for any construction project.

Construction industry has played an important role in transforming the required infrastructure contributing to the development and economic growth of the country. Now even government has started hiring Project Management Consultancy for the government projects.

Now we will try to learn how things work between the client and the consultants. How they negotiate with each other. It is very important for the consultant to understand what exactly the client wants and once the consultant is clear about the client's requirement then only he can properly work on the project. The consultants give their almost more than 100% for the successful completion of the project.

The Contracting Process



We can consider that hiring or having Project Management Consultancy for any construction project is always useful as these consultancies provide so many advantages. Project Management Consultancy directly results in the minimum errors and the chances of failure of the project are also reduced to a huge extent.

III. METHODOLOGY

The methodology used in this study is mainly the literature review. Literature study was very important to fully understand what exactly the Project Management Consultancy is. The study also includes the identification of the services that have been provided by the Project Management Consultancy so far. Determination of the effectiveness of the project using Project Management Consultancy services

which results in the importance of the Project Management Consultancy.

IV. CONCLUSION

After studying this much we can say that, the Project Management Consultancy manage the project by the application of their skill, knowledge and experience. Project Management Consultancies face so many problems such as managing the team members, problems related to design issues, engineering issues, safety of workers on the site and so on. Awareness of various processes involved in construction work are the integral part of project management consultancy. It is essential that the Project Management Consultants should have detailed knowledge of multiple constraints such as cost of project, time given for the project, resources required for the project. At the same time they should be in a condition to face any kind of risk obtained due to any reason.

In addition to all this Project Management Consultancy is useful only when it is involved in the project from its beginning to its completion. Finally we can conclude that if we want successful start to completion of any project it is essential to have Project Management Consultancy.

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