

A Review on Importance of Effective DPR in Construction Sector

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Abstract - A detailed project report is created when the planning and designing phases of a project are completed. A detailed project report is a comprehensive and detailed summary of a project that includes critical information such as resources and tasks that must be completed to ensure the project's success. It is also known as the project's final plan, after which the implementation and operational phase can begin. The roles and responsibilities are underlined in this comprehensive project report, as well as the safety steps to take if an issue emerges while carrying out the plan.

Keywords - Detailed project report, Construction, Infrastructure

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INTRODUCTION

The outcomes of a project's planning and design phase are detailed project reports (DPRs). A DPR is a very thorough and elaborated project plan that specifies the project's general program, specific roles and responsibilities, activities, and resources. The project report includes extensive information on the land required, annual manufacturing capacity, manufacturing process, machinery and equipment prices and specifications, raw material requirements, electricity and water requirements, workforce requirements, and project marking costs. A detailed project report is a comprehensive and detailed summary of a project that includes critical information such as resources and tasks that must be completed in order for the project to succeed. What you wish to achieve towards the end of the project is the project goal. This could include concrete items like deliverables and assets, as well as intangible objectives like enhancing productivity or motivating others. At the end of the project, your goals should be quantifiable, achievable, and time-bound. In order to bring your project's concept into reality, you'll need a complete project report. A DPR serves as a stepping stone to success, allowing your project to reach new heights. You will undoubtedly achieve fantastic results if you prepare the project report with a great deal of attention to detail.

The DPR follows the same format and content as the techno-economic feasibility report. Every important component of location and site

About DPR – It is the most important report in the process of developing an investment proposal. The details included in the study are used to make

investment decisions. It is also known as the project's final plan, after which the implementation and operational processes can begin. The roles and responsibilities are underlined in this comprehensive project report, as well as the safety steps to take if an issue emerges while carrying out the plan. It includes technical, financial, marketing, management, and social factors.

OBJECTIVES OF STUDY

- 1) To study the need for effective DPR in Construction Sector.
- 2) To study the Parameters for the complications of DPR.
- 3) To study the submission norms for DPR to Govt. Authority.

PROBLEM STATEMENT

For any enormous foundation ventures the extend achievability is exceptionally critical and after that arranging plays exceptionally imperative part in execution stage of ventures for this planning the detail venture examination is required ,which gives an thought of developments ventures in all regards .Arrangement of DPR incorporates all viewpoints of developments and administration due to which the ponder for Planning of Detail Venture Report (DPR) for Framework Ventures is required.

Importance of DPR

In order to bring your project's concept into reality, you'll need a complete project report. A DPR serves as a stepping stone to success for your project. Incredible heights If the project report is created with great care and attention to detail, you will

undoubtedly achieve good outcomes if you delve into detail.

Managing the budget or expenditures - Managing the budget or expenditures is a difficult task, especially when there are so many aspects of your project to consider. As a result, a DPR comes to your aid and assists you in planning and managing your budget in such a way that you do not exceed your specified budget.

Significance / Motivation of Study: A detailed project report offers numerous advantages in terms of guiding a project to success. To ensure that no stone is left unturned, a DPR should be created by a professional person/firm with the necessary expertise and skillset. It is also critical that the project team member has relevant experience in the field in order to take on the project management responsibilities. Putting the DPR preparation process in the hands of an untrained person can also result in a significant financial loss, so choose prudently.

LITERATURE REVIEW

[1] Pratyush Singh et.al. (2021): According to the research, Rural Road connectivity is an important component of rural development because it promotes access to economic and social services, resulting in increased agricultural productivity, non-agriculture employment, and non-agricultural productivity, all of which increase rural growth opportunities and real income, reducing poverty. According to a study conducted by the International Food Policy Research Institute on the relationship between government spending and poverty in rural India, a one-crore investment in roads pulls 1650 impoverished people out of poverty. Public investment in roads has an impact on rural poverty through increasing agricultural output, non-farm employment options, and rural wages. Improvements in agricultural productivity not only directly reduce rural poverty by increasing the income of impoverished households, but they also indirectly lower it.

[2] G. Calis et.al. Turkey [2020]: - According to the research, the most typical criterion for determining the success of a construction project is if it is completed on time, on budget, and according to the project requirements. Because construction projects have numerous unknowns at the start, and this continues throughout the project, most projects are completed after or before the contractual completion date. Construction delays are a typical problem that exists in many countries. The site's data assists the management team in determining progress, health and safety, and the status of equipment and materials. It is critical to obtain information as accurately as possible, and the management team must receive information on time. This allows team members to monitor progress and problems on the job site. It has been proven that rework of defective components of a building project discovered late wastes up to 12.45% of the

construction cost. Construction project status reporting is critical for project management and stakeholder management. While it has an impact on communication, it is also beneficial in speeding up the decision-making process. The project management team, and therefore the project manager, must guarantee that higher management has a clear picture of the project's progress. Upper management would struggle to take immediate action if they didn't have a clear grasp of the project.

[3] Pranav Maheshwari et.al. (2020): - According to the research, the entire length of the rural road has expanded from 3,54,530 kilometers in 1970-71 to 24,50,559 kilometers recently. These figures demonstrate the significance of rural road development in the overall development of the country. Furthermore, studies suggest that public investment in infrastructure, particularly in rural road rehabilitation, benefits the local community and market development. In numerous countries, studies on rural road construction have revealed increases in male agricultural earnings and cumulative crop indices (Bangladesh), increased food availability, primary school graduation rates, farm worker pay (Vietnam), and so on. However, research on Indian rural roads is almost non-existent.

[4] Er. Om Prakash Giri Pokhara [2019]: - According to the research, A project manager is the person in charge of overseeing the project's successful start-up, planning, design, execution, monitoring, control, and closure. The project manager is responsible for completing the project on time, on budget, and with high quality to ensure its success. The construction industry contributes significantly to the country's economy. However, the industry has numerous problems, including completing projects on time, on budget, and with high quality. As a result, the project manager is a crucial resource in achieving the project's goals. Unfortunately, the project manager's function is frequently disregarded. It is considered that the project manager's leadership position is evaluated in terms of time, cost, quality, and customer satisfaction. The purpose of this research is to identify several responsibilities that project managers should play in order to improve project performance. The results of good project management procedures and qualified project managers are always better.

[5] Jayant Mishra et.al. (December 2017): - According to the research, Rural roads are the tertiary road system in the overall road network that connects rural residents to markets and other service hubs. In India, rural roads are planned and designed in the interests of comprehensive rural development, with the goal of providing all-weather connection. The allocation of funds for road construction established policy rules and priorities

for rural roads. Where satisfactory results are not attained, rural road improvement is required.

[6] Dr. Urmila Vikas Patil et.al. (2015): - According to the research, Road transportation is becoming increasingly vital, and it plays a significant part in the country's economic development. M.S.R.T.C.'s primary goals are to provide adequate passenger transportation services to the community in a cost-effective and timely manner. A well-functioning transportation system is critical to emerging countries' economic development. Manpower is required for an efficient transportation system and efficient operation. To meet the needs of developing cities, Maharashtra has its own transportation service. The purpose of this research report is to assess MSRTC's capital structure. Secondary data is used to gather information about capital and liabilities, fixed assets, work in progress, investment, current assets, and so on for this study. This research is critical for MSRTC's economic development.

[7] Mohammadreza Yadollahi et.al. (2014): - According to the research, Civil, mechanical, and electrical engineers, quantity surveyors, and architects all play critical roles in the construction process. Architects are commonly appointed as project managers among them (PM). The success of the project's implementation will be determined by the PM's role. As a result, an architect's capacity to act as a project manager (Ar.PM) is crucial in decreasing problems. As a result, identifying these difficulties is a critical step in selecting an acceptable Ar.PM. The goal of this research is to identify the most significant problems that an Ar.PM has when working on building projects. Questionnaires and interviews with architects and specialists in the Malaysian construction industry were used to gather data. Fuzzy Set Theory is used to identify important difficulties due to the fuzziness and ambiguity of subjective responses. A total of 65 questionnaires were distributed, with 36 of them returning. The findings found that "poor planning," "unfamiliar technology," "unfamiliarity with green structures and materials," "wrong scheduling," and "bad workmanship" are the major problems that an Ar.PM faces. After that, all important obstacles were divided into six categories: technical, managerial, human skills, contractual, psychological, and financial.

[8] Atul R Nikumbh et.al. (2014): - According to the research, Real estate and infrastructure are two sorts of construction sectors that the construction business deals with. Residential, industrial, corporate, and commercial real estate are the four types of real estate. Roads, railways, urban infrastructures, ports, airports, and power are all part of the infrastructure industry. To manage such unusual projects, you'll need experience working with organizations and a broad knowledge base. The goal of this research is to analyze or break down the role of project management consultancy and investigate the challenges that PMCs face when implementing projects. Project Management Consultancy plays a varied role in such initiatives,

providing services from the beginning to the end. The ideas of proactiveness and generating a win-win situation are required at every stage of the project life cycle, with the customer/client's expectations in mind. Project Management Consultancy (PMC) is one of the most efficient and effective management options for increasing and improving the efficiency and outcome of a construction project.

CONCLUSION

With the align with Literature Review the following conclusion can drawn DPR is most essential part or a tool for any stage of the construction. DPR Gives as a prior information or a statement regarding estimated cost, cost of project Even because of DPR we can get an idea of how much time required for the construction With the help of DPR we can execute the project in practical point of view According the study or information mentioned in DPR of any project we can acknowledge the information about construction land and we can accumulate the proper steps for improvisation DPR includes Specification, drawing, technical feasibilities and gives us detailed information regarding the same. With the help of DPR will get the Knowledge about cost of raw material, general information, background, and experience of project promoters. with the help of DPR we can manage maintenance and can give the quality assurance. We can help of DPR we know the environmental and social impact.

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