A REVIEW ON APPLICATION OF PRIMAVERA FOR PROJECT MANAGMENT

Paresh S Mistri[1], Nency J. Dangrochiya[2], Hiren. A. Rathod[3]

PG. Student of C.M., Civil Engineering Department, SNPIT & RC, Bardoli, Gujarat, India [1]

PG. Student of C.M., Civil Engineering Department, SNPIT & RC, Bardoli, Gujarat, India [2]

Assistant Professor, Civil Engineering Department, SNPIT & RC, Bardoli, Gujarat, India[3]

Abstract: *Project management is a process of planning organizing and managing activities and resources to accomplish a defined objective within constraints on time, resource or cost. It is very common to see project failing to achieve its mission within specified time and cost. The factors contributing to overrun are inadequate project formation, poor planning for implementation and lack project management during project execution but the main cause of failure can be attributed to cost estimation failure and management failure. As project become larger and more complex, the ability to exchange information on a timely basis is shrinking. Construction projects are becoming increasingly complex: project lifecycles are lengthening; skilled labor is in short supply; and effective coordination, communication, and collaboration with every project stakeholder remains difficult. Oracle's Primavera solutions for architecture, engineering, and construction firms enable them to successfully plan, manage, control, and deliver projects. The result is improved client service without sacrificing project profitability. To avoid surprises, maintain accountability, and meet your bottom line, you need a complete solution to manage all of your projects, regardless of their size-one that is available to all project contributors across your entire organization, whenever and wherever they need it. You need the Primavera project portfolio management solution.*

Keywords: **Project Management, Project Stakeholder**

I. INTRODUCTION

Project planning and programming is essential for successful project management (PM). Without planning it is difficult to envisage the successful conclusion of any project or the effective control of time, money or resources. There is more to planning a project than meets the eye and a great deal more involved than simply producing a program. Planning is also essential when it comes to dealing with construction risks and device safe working methods. This is so through all the stages of the process, from inception all the way to design, tendering, construction and commissioning stages of a project.

In an increasingly demanding and changing market, to conquer and keep a leadership positioning represents a challenge only at the reach of companies that are able to follow the natural evolution of the business world and adopt innovation as their banner. The actual patterns of competitiveness, linked to the constant need for high

financial performances, impose the adoption of new business models based on advanced technologies that will allow superior levels of productivity. It is not enough for the operational and transactional processes of business activities to function perfectly, it is necessary the existence of proactive mechanisms of decision support that allow the business to be stretched far beyond the physical borders of the company. A product with a high level of extensibility and a great adequacy capacity that sets at disposal of any company all the mechanisms that allow its adjustment to any business. It is required to connect Primavera project management and SAP solutions for customers. The resulting integration will provide these customers with a cost-effective way to complement the strengths of SAP with best-of-breed project management from Primavera.

Primavera products are the project management standards for the detailed planning and precise control of short-duration, high-intensity plant shutdowns in industries such as Construction, petroleum, chemicals and utilities. The integration will enable these industries to reduce maintenance down time and shutdown costs by synchronizing project status into their business processes. It connects planning and budgeting details, progress and performance information and resource requirements from Primavera with procurement, cost control, financial reporting, accounting and payment processing from ERP. The bi-directional exchanges of project information means companies can be sure that defined processes are followed across all projects and across the enterprise.

II. PRIMAVERA -A COMPLETE SUITE.

Primavera is full range of browser-based, client/server and desktop solutions, the right tool will be placed in the right hands. Obtain the information needed to make smart business decisions and give everyone on your team information needed to finish projects on time and on budget. Plan and control large projects efficiently. Primavera provides project schedulers with the basic tools to easily plan and control projects. Schedulers can quickly create optimum project plans, zero in to understand the critical path and easily create projects to simulate possible adjustments including adding resources, shortening duration by working faster, working on weekends and holidays and doubling up on activities. Schedule with confidence Primavera project management provides easy-to-use analytical tools for all project scenarios. Schedulers can examine an activity and its predecessors and successors with trace logic. Superior project reporting Primavera helps project control professionals manage single projects or complex programs. Professional project schedulers use Primavera to plan and analyse multiple projects to ensure that they're completed on time and within budget and share progress.

III. THE MOST TRUSTED PROJECT MANAGEMENT SOLUTION FOR THE ENGINEERING AND CONSTRUCTION INDUSTRY.

Primavera is tailored for the specific needs of the engineering and construction industry. It empowers project managers and team members to work together and reduce risk through:

1) Flexible **planning and scheduling** analysis to stay on target, including critical path scheduling, baselines, Gantt charts.

2) Advanced **reporting and analysis** for key performance metrics, project dashboards and look ahead reports.
3) Strong **accountability management** practices to track action items and responsibilities.
4) Better **resource management** to effectively plan labour, equipment, materials and keep everyone billable
5) Integrated **cost management** to help you forecast profit, conduct earned value analysis, compare estimates and integrate with accounting.
6) Customizable **contingency management** to help you identify, plan and mitigate risk, track issues and set automatic alerts.
7) Centralized **standards management** to ensure your SOPs are best-in-class and successfully used by your entire organization.

IV. MANY PLAYERS, MANY PERSPECTIVES.

Engineering and construction projects are an integrated process. Owners, engineers, schedulers, program managers, management, contractors and subcontractors must communicate and collaborate to get the job done and done right. Project risks and reduced profitability occur when critical information is kept in silos. With everyone in the loop, Primavera helps accelerate the delivery of important information to the right person.

Primavera is a powerful solution for all construction professionals. It provides centralized, simultaneous access by multiple users to all project information, from management Key Performance Indicators (KPIs) to detailed work assignments for individual team members. It gives visibility to timely and accurate information and establishes clear accountability across the project team. Primavera combines the power of a Windows desktop with the simplicity of the Web.

Management needs a way to view high-level project summaries via an interactive browser interface that delivers KPIs and management details at any given time across their business unit. General Managers and operations managers can see project information the way they need it -without becoming project schedulers. Primavera displays project schedule and cost metrics so project profitability and cash flow can be forecasted.

Owners/Clients need access-anywhere and at any time. Clients and owners need to collaborate with project managers and schedulers to establish project delivery dates. Create a competitive advantage by providing your client with browser-based access to keep them informed. Primavera makes this easier than ever.

Contractors can often execute large portions of a project. Now you can provide them with Primavera Contractor — an easy-to-use scheduling tool that allows you to distribute portions of the project schedule to your subs and receive updates automatically via e-mail. Now you can keep everyone on schedule.

Project engineers and field staff can use Primavera as a mobile PDA option that allows field engineers or superintendents to update project status in the field - without being tethered to a computer. These users can easily check in and check out activities, providing frequent status updates.

Professional project planners use Primavera to schedule projects with ease, establish company standards using template technology, perform baseline analysis to understand exact project progress and easily consolidate subcontractor schedules.

CONCLUSION

The Primavera project portfolio management system enables you to plan, manage, control, and deliver projects of any size. Primavera gives each stakeholder a consolidated dashboard with exactly the tools needed for planning, managing, controlling, and delivering projects and programs. With a single, consistent interface, the delivered content and functionality are configurable for each user or group of users, whether at the project or program level. This not only minimizes training requirements and allows for quick, meaningful adoption but also enables organizations to standardize best practices to consistently deliver successful projects across all disciplines.

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