

Project Resource Management

ENG. (MS.) KITHMA VIDANAPATHIRANA



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- Project Resource Management includes the processes to identify, acquire, and manage the resources needed for the successful completion of the project.
- These processes help ensure that the right resources will be available to the project manager and project team at the right time and place.

Processes of project resource management

- 1 • Plan Resource Management
- 2 • Estimate Activity Resources
- 3 • Acquire Resources
- 4 • Develop Team
- 5 • Manage Team
- 6 • Control Resources

1. Plan resource management

- Process of defining how to estimate, acquire, manage, and use team and physical resources.
- **Key benefit:** establishes the approach and level of management effort needed for managing project resources based on the type and complexity of the project.

Plan resource management- Overview

Plan Resource Management

Inputs

- .1 Project charter
- .2 Project management plan
 - Quality management plan
 - Scope baseline
- .3 Project documents
 - Project schedule
 - Requirements documentation
 - Risk register
 - Stakeholder register
- .4 Enterprise environmental factors
- .5 Organizational process assets

Tools & Techniques

- .1 Expert judgment
- .2 Data representation
 - Hierarchical charts
 - Responsibility assignment matrix
 - Text-oriented formats
- .3 Organizational theory
- .4 Meetings

Outputs

- .1 Resource management plan
- .2 Team charter
- .3 Project documents updates
 - Assumption log
 - Risk register

Outputs

Resource management plan – is the component of the project management plan that provides guidance on how project resources should be categorized, allocated, managed, and released.

It may be divided between the team management plan and physical resource management plan according to the specifics of the project.

- i. Identification of resources
- ii. Acquiring resources
- iii. Roles and responsibilities
- iv. Project organization charts
- v. Project team resource management
- vi. Training
- vii. Team development
- viii. Resource control
- ix. Recognition plan

2. Estimate activity resources

- Process of estimating team resources and the type and quantities of materials, equipment, and supplies necessary to perform project work.
- **Key benefit:** it identifies the type, quantity, and characteristics of resources required to complete the project.

3. Acquire resources

- Process of obtaining team members, facilities, equipment, materials, supplies, and other resources necessary to complete project work.
- **Key benefit:** it outlines and guides the selection of resources and assigns them to their respective activities

4. Develop team

- Process of **improving competencies**, team member interaction, and the overall team environment to enhance project performance.
- **Key benefit:** it results in improved teamwork, enhanced interpersonal skills and competencies, motivated employees, and improved overall project performance.

5. Manage team

- Process of tracking team member performance, providing feedback, resolving issues, and managing team changes to optimize project performance
- **Key benefit:** it influences team behavior, manages conflict, and resolves issues

6. Control resources

- Process of ensuring that the physical resources assigned and allocated to the project are available as planned, as well as monitoring the planned versus actual utilization of resources and taking corrective action, as necessary
- **Key benefit:** ensuring that the assigned resources are available to the project at the right time and in the right place and are released when no longer needed.

Thank you!