

# PROJECT AND PROCUREMENT MANAGEMENT

## Introduction

With the growing impetus on manufacturing in our country under radical initiatives like Make in India, the investments in large complex projects have increased both in government and private sector. Project management expertise is a pre-requisite for successful completion of such projects. Project Management is the art of directing and coordinating all kinds of resources throughout the life of a project by using modern management techniques to achieve predetermined objectives of scope, cost, time, and quality and customer satisfaction.

Procurement is an overlapping function between engineering and construction phases of engineering procurement and construction (EPC) projects. Due to these overlaps, procurement function has a cascading effect on project cost and schedule performance. A project requires multiple items from multiple suppliers under multiple contracts, terms and conditions and risks exposure and their costs comprise major percentage of project cost. The procurement of these items is highly dependent on external suppliers and requires a great degree managerial and negotiation skills. Thus, management of procurement function is an integral part of project management.

The project and procurement management program aims to provide insights on ten knowledge areas of project management and key concepts of strategic procurement

## Objectives of the Program

1. Discuss ten knowledge areas of project management
2. Apply project scheduling techniques in deterministic and probabilistic contexts
3. Apply resource allocation and levelling techniques
4. Understand earned value analysis as a project monitoring and control tool
5. Identify project risks and different risk response actions
6. Understand Procurement and Contracts Management in Project Environment
7. Evaluate make and buy decision based on Strategic sourcing model
8. Understand different contracting mechanisms
9. Asses Project procurement risks based on contract clauses
10. Appreciate importance of project and contract closure
11. Legal aspects of procurement clauses

## Pedagogy of the Program

The program includes several learning methodologies, including interactive lectures, case studies, excel and experience sharing.

## Indicative Content of the Program

1. Overview of ten knowledge areas of Project Management
2. Introduction to project management, project life cycle and types of projects
3. Project Planning and Scheduling techniques CPM and PERT
4. Crashing in project and Project Resource allocation and levelling
5. Earned value analysis
6. Project risk management
7. Procurement and Contracts Management in Project Environment
8. Different contracting mechanisms based on participating entities, scope, pricing regime
9. Project oriented materials management and Procurement Scheduling
10. Procurement Categories based on Kraljic Matrix, pricing regime, buyer-supplier relationships
11. Procurement risks based on contract clauses
12. Legal aspects of contract clauses
13. Project and contract closure

**Program Director: Prof Vijaya Dixit**

**Fees (Per Candidate):Rs 35400+GST (Non Residential-In Campus),Rs 27000+GST(Online)**

**Proposed Dates: January 19 to 22,2021**