

## **Construction Site Management & Supervision Training program**

### **Introduction:**

Construction site management mainly involves the rational layout of site facilities, optimum usage of space and dynamic management of plants. It directly influences security, machine running, material supply and power distribution, as well as construction progress and cost. This course outlines how the construction sites will be managed and supervised. The construction sites have to be supervised daily by experienced and qualified construction engineers. The course is primarily aimed at people already working in a supervisory or management role within the construction industry. To achieve these qualifications, supervisors or managers have to provide satisfactory evidence of their management skills, as well as their technical knowledge and competence in the workplace and ability in supervising or managing a construction operation.

### **Who Should Attend?**

Construction Engineers, Senior Construction Engineers, Construction Supervisors, Construction General Supervisors, Construction Project Managers, Engineering Technologists, Supervision Engineer, Inspection Engineers, Civil Inspectors, Foremen, Design Structural Engineers, Planners, Structural Engineers, Material Specialists, Quality Control and Quality Assurance Experts, Architects, Supervision Engineers, Team Leaders, Site Officers and Managers, Mechanical Engineers, Technical Professionals, Field Production Supervisor, Operation Engineers, Clients Representatives.

### **Course Objectives:**

**By the end of this course delegates will be able to:**

- Organize work operations and activities
- Organize resources for the work
- Monitor and supervise work operations and activities
- Implement health and safety in the workplace
- Maintain team and individual performance
- Establish working relationships
- Plan and implement project maintenance
- Face challenges in moving to supervision
- Build dependable working relationships
- Increase labor productivity and morale
- Avoid complaints and legal problems
- Communicate and lead effectively

- Balance managerial skills with technical skills
- Promote team performance
- Increased skill sets in Site Management and Supervision
- A greater sense of Professionalism
- Knowledge of Advanced Techniques of Site Management and Supervision
- Greater ability to lead successful construction sites
- Increased recognition by the organization due to improved performance

## Course Outline:

### Introduction to construction industry

- Construction project stages
- Main contract types
- Methods of tendering
- Construction engineering
- Construction categories
- Construction project management

### Construction Site Set-Up (Preparation & Organization)

- Types of Construction Sites
- Planning for Site Preparation and Organization
- Construction Site Security
- Site Communications
- Material Storage and Handling
- Road Sweeping Operations
- Site Lay-Out
- Site Temporary Structures
- Site Temporary Power and Lighting
- Fuel Storage and Refueling Areas
- Common Problems & Preventive Measures

### Construction Project Phasing

- Introduction
- Scope
- Program
- Phasing of the Work
- Phased Site Lay-Out Plans
- Assess work methods, resources and systems to meet project requirements
- Manage materials, plant and equipment on site

### **Outline Construction Environmental Monitoring Plan**

- Roles and responsibilities
- Environmental Monitoring Checks
- Dust
- Surface Water
- Noise

### **Construction & Demolition Waste Management Plan**

- Waste Management Set-Up
- Demolition Approach
- Material Wastes

### **Outline Construction Site Traffic Management Plan**

- Construction traffic Management Plan Objectives
- Construction Site Access and Egress
- Car Parking
- Operation of Site Entrances
- Communications
- Road Networking

### **Advanced Techniques through Modeling Computer Integrated Construction Site Management**

- Input General data
- Input resource Data
- Supplying Daily task to Site Engineers
- Reports from Site Engineers
- Update Entire Project Information

### **Construction Site Management Safety**

- Organize Work Operations and Activities
- Organize Resources for the Work
- Monitor and Supervise Work Operations and Activities
- Maintain Team and Individual Performance
- Establish Working Relationships
- Health and Safety Including Management of Health
- Coverage of all Regulation relating to the Construction Industry
- Accident Prevention, Investigation and Reporting Procedures
- Occupational Health and Hygiene – personal protection
- General Hazard Identification and Safe Working Methods
- Identify hazards and reduce risks

### Developing the Supervisory Skills in the Construction Sites

- Challenges in Moving to Supervision
- Build Dependable Working Relationships
- Increase Worker Productivity
- Encourage Labors Initiative
- Avoid Complaints and Legal Problems
- Increase Communication and Leadership Skills
- The Importance of Balancing Managerial Skills with Technical Skills
- Promoting Outstanding Team Performance
- How to Mediate Disputes between Labors
- Planning
- Physical Resource Management
- Implementing
- Monitoring and Control
- Managing Teams and Individuals