Training Course on Construction Procurement and Supply Chain Management

Professional Development Training Course Outline

Category	Construction Institute	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today's dynamic construction landscape, **efficient procurement** and a resilient **supply chain management** system are no longer optional but are critical determinants of project success. Training Course on Construction Procurement and Supply Chain Management is meticulously designed to equip professionals with the advanced knowledge and practical skills necessary to navigate the complexities of sourcing, logistics, and supplier relationships within the construction sector. Participants will gain a deep understanding of strategic procurement methodologies, risk mitigation strategies, and innovative supply chain optimization techniques. By mastering these crucial areas, individuals and organizations can achieve significant cost savings, improve project timelines, enhance quality control, and gain a competitive edge in the industry. This program addresses the growing need for skilled professionals who can effectively manage the intricate web of stakeholders and processes involved in bringing construction projects to fruition, ultimately contributing to more profitable and sustainable outcomes.

This intensive course delves into the core principles of **construction procurement**, exploring best practices in vendor selection, contract negotiation, and ethical sourcing. Furthermore, it provides an in-depth examination of **supply chain optimization**, covering topics such as inventory management, transportation logistics, and the integration of technology for enhanced visibility and efficiency. Through a blend of theoretical frameworks, real-world case studies, and interactive exercises, participants will develop the expertise to streamline their procurement processes, build strong supplier partnerships, and proactively address potential disruptions in the supply chain. The knowledge and skills acquired in this training are directly applicable to a wide range of roles within the construction industry, empowering individuals to drive significant improvements in their organizations' operational performance and bottom line.

Programme Curriculum

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Course Duration

10 days

Course Objectives

Upon successful completion of this training course, participants will be able to:

1. **Develop strategic procurement plans** aligned with project goals and organizational objectives.
2. Implement **cost-effective sourcing strategies** to maximize value in construction projects.
3. Apply **risk management techniques** to mitigate potential disruptions in the construction supply chain.
4. Master the principles of **contract negotiation and administration** in the construction context.
5. Evaluate and select **suitable construction vendors and suppliers** based on performance and reliability.
6. Optimize **inventory management practices** to reduce waste and improve project efficiency.
7. Implement **efficient transportation and logistics solutions** for construction materials and equipment.
8. Utilize **technology and digital tools** to enhance visibility and collaboration in the supply chain.
9. Foster **strong supplier relationships** based on trust and mutual benefit.
10. Apply **sustainable procurement practices** in construction projects.
11. Understand the legal and ethical considerations in **construction procurement**.
12. Analyze and improve the **performance of the construction supply chain**.

13. Implement strategies for **continuous improvement** in procurement and supply chain processes.

Organizational Benefits

- Through strategic sourcing and effective negotiation.
- By streamlining material flow and minimizing delays.
- Through reliable supplier selection and quality assurance processes.
- By optimizing supply chain operations and reducing waste.
- By proactively identifying and mitigating potential disruptions.
- Leading to better collaboration and performance.
- Through cost savings and enhanced operational efficiency.
- By having a more efficient and resilient supply chain.

Target Audience

1. Procurement Managers and Officers
2. Supply Chain Managers and Specialists
3. Project Managers and Engineers
4. Contract Administrators
5. Estimators and Quantity Surveyors
6. Logistics and Transportation Coordinators
7. Site Managers and Supervisors
8. Business Development Managers

Course Outline

Module 1: Fundamentals of Construction Procurement

- Overview of the construction procurement lifecycle.
- Key stakeholders in the construction procurement process.
- Different types of construction contracts and their implications.
- Ethical considerations and legal frameworks in construction procurement.
- Developing a strategic procurement plan for construction projects.
- **Case Study:** Analysis of a major infrastructure project's initial procurement strategy.

Module 2: Strategic Sourcing and Vendor Management

- Identifying and qualifying potential construction vendors and suppliers.
- Developing effective vendor evaluation criteria and selection processes.
- Conducting due diligence and risk assessment of suppliers.
- Building and maintaining strong supplier relationships.
- Performance monitoring and evaluation of construction vendors.
- **Case Study:** A construction company's process for selecting a critical material supplier.

Module 3: Contract Negotiation and Administration

- Principles of effective negotiation in construction contracts.
- Key clauses and terms in construction procurement agreements.
- Managing contract variations, claims, and disputes.
- Ensuring compliance and adherence to contractual obligations.
- Strategies for successful contract close-out in construction.
- **Case Study:** A dispute resolution process in a large-scale construction contract.

Module 4: Supply Chain Risk Management in Construction

- Identifying potential risks and vulnerabilities in the construction supply chain.
- Developing risk mitigation strategies and contingency plans.
- Assessing the impact of global events on construction supply chains.
- Implementing business continuity planning for critical materials and services.
- Utilizing technology for supply chain risk monitoring and management.
- **Case Study:** How a construction project navigated a major supply chain disruption.

Module 5: Construction Logistics and Transportation

- Planning and managing the transportation of construction materials and equipment.
- Optimizing logistics for cost-effectiveness and efficiency.
- Warehousing and inventory management at construction sites.
- Addressing challenges in last-mile delivery for construction projects.
- Utilizing technology for tracking and managing construction logistics.
- **Case Study:** Implementing a new logistics system for a multi-site construction project.

Module 6: Inventory Management for Construction Projects

- Different inventory control techniques for construction materials.
- Determining optimal inventory levels to minimize costs and delays.
- Managing perishable and high-value construction materials.
- Implementing just-in-time (JIT) inventory systems in construction.
- Utilizing technology for inventory tracking and management.
- **Case Study:** A construction company's approach to managing concrete and steel inventory.

Module 7: Technology and Digital Transformation in Construction Supply Chain

- Overview of digital tools and platforms for construction procurement.
- Utilizing Building Information Modeling (BIM) for supply chain integration.
- Implementing Enterprise Resource Planning (ERP) systems for procurement and logistics.
- Leveraging data analytics for supply chain optimization and decision-making.
- Exploring the use of IoT and AI in construction supply chain management.
- **Case Study:** The implementation of a BIM-based procurement system on a large project.

Module 8: Sustainable Procurement Practices in Construction

- Understanding the principles of sustainable construction and procurement.
- Sourcing environmentally friendly and recycled construction materials.
- Evaluating the lifecycle cost and environmental impact of materials.
- Implementing green building certifications and standards.
- Promoting ethical and socially responsible sourcing practices.
- **Case Study:** A green building project's sustainable material sourcing strategy.

Module 9: Performance Measurement and Improvement in Construction Supply Chain

- Identifying key performance indicators (KPIs) for construction procurement and supply chain.
- Developing metrics for measuring efficiency, cost-effectiveness, and reliability.
- Implementing continuous improvement methodologies (e.g., Lean, Six Sigma).
- Utilizing data analytics for performance monitoring and benchmarking.
- Developing strategies for ongoing optimization of procurement and supply chain processes.
- **Case Study:** Using KPIs to identify and address bottlenecks in a construction supply chain.

Module 10: Legal and Regulatory Frameworks in Construction Procurement

- Understanding relevant laws and regulations governing construction contracts.
- Compliance requirements for public and private sector construction projects.
- Addressing intellectual property and data security in procurement.
- Navigating international procurement laws and regulations (if applicable).
- Best practices for ensuring legal compliance in construction procurement processes.
- **Case Study:** A legal challenge faced during a major public infrastructure procurement.

Module 11: Negotiation and Stakeholder Management in Construction Procurement

- Advanced negotiation techniques for complex construction contracts.
- Strategies for managing relationships with diverse stakeholders (e.g., owners, contractors, subcontractors).
- Effective communication and conflict resolution in procurement processes.
- Building consensus and fostering collaboration among stakeholders.
- Managing expectations and ensuring alignment throughout the project lifecycle.
- **Case Study:** Successfully negotiating a complex contract with multiple stakeholders.

Module 12: Global Trends and Future of Construction Supply Chain

- Exploring emerging technologies and innovations in construction supply chain.
- Analyzing the impact of globalization on construction procurement.
- Understanding the role of circular economy principles in construction.
- Preparing for future challenges and opportunities in the construction supply chain.
- The impact of digital twins and automation on construction procurement.
- **Case Study:** An analysis of a disruptive technology being adopted in construction supply chains.

Module 13: Implementing Best Practices in Construction Procurement and Supply Chain

- Developing a roadmap for implementing best practices within an organization.
- Change management strategies for adopting new procurement and supply chain processes.
- Building a culture of continuous improvement and innovation.
- Utilizing benchmarking to identify areas for improvement.
- Measuring the return on investment (ROI) of implementing best practices.
- **Case Study:** A successful implementation of best practices in a medium-sized construction company.

Module 14: Emergency Procurement and Crisis Management in Construction

- Developing protocols for emergency procurement situations.
- Strategies for managing supply chain disruptions during crises (e.g., natural disasters).
- Identifying critical suppliers and developing alternative sourcing options.
- Communication and coordination during emergency procurement.
- Post-crisis review and lessons learned in procurement and supply chain.
- **Case Study:** How a construction project managed procurement during a natural disaster.

Module 15: Case Studies in Construction Procurement and Supply Chain Management

- In-depth analysis of successful procurement strategies in major construction projects.
- Examination of challenges and lessons learned from complex supply chain scenarios.
- Review of innovative approaches to procurement and logistics in the industry.
- Comparative analysis of different procurement models and their outcomes.
- Developing recommendations based on the analysis of real-world case studies.

- **Case Study:** A comprehensive review of the procurement and supply chain management of a landmark construction project.

Training Methodology

This course employs a blended learning approach, combining:

- **Interactive Lectures:** Delivering core concepts and industry best practices.
- **Group Discussions:** Facilitating peer learning and knowledge sharing.
- **Practical Exercises:** Applying learned concepts to real-world scenarios.
- **Case Study Analysis:** Examining successful and challenging procurement and supply chain situations.
- **Role-Playing:** Developing negotiation and communication skills

- **Register as a group from 3 participants for a Discount**

- **Send us an email: info@fineskilltrainingcenter.org or call** *+254769199797*

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Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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