



STRATEGIC CONSTRUCTION PROCUREMENT AND MATERIALS MANAGEMENT TRAINING COURSE

19 - 23 OCT 2026

KUALA LUMPUR

5200 € (PER PERSON)

REF: #CON9933_87277



COURSE INTRODUCTION / OVERVIEW:

This course provides a comprehensive framework for mastering the complexities of procurement and material management specifically within the dynamic construction industry. It moves beyond theoretical principles to deliver practical, actionable strategies for optimizing the construction supply chain, from initial sourcing to final material delivery on-site. In an environment characterized by tight deadlines, fluctuating material costs, and complex logistical challenges, a strategic approach is paramount. This program, offered by BIG BEN Training Center, is meticulously designed to equip professionals with the skills to mitigate risks, control costs, and ensure the timely availability of quality materials, thereby directly impacting project success. Drawing upon contemporary best practices and academic insights, such as those discussed by scholars like Dr. Peter E.D. Love on construction project performance, the curriculum delves into critical areas. Participants will explore concepts similar to those in texts like "Construction Supply Chain Management" by Stephen L. Pryke, focusing on supplier relationship management, robust contract negotiation, and the implementation of efficient inventory systems. This training empowers attendees to transform their procurement function from a transactional department into a strategic asset that drives competitive advantage and project profitability.

TARGET AUDIENCE / THIS TRAINING COURSE IS SUITABLE FOR:

- Procurement Managers and Officers.
- Construction Project Managers.
- Supply Chain and Logistics Managers.
- Contract Administrators and Managers.
- Quantity Surveyors.
- Site Managers and Engineers.
- Commercial Managers.
- Project Planners and Cost Controllers.
- Operations Managers in construction firms.

TARGET SECTORS AND INDUSTRIES:

- General Construction and Contracting.
- Real Estate and Property Development.
- Infrastructure and Civil Engineering Projects.
- Oil and Gas Construction Projects.
- Power and Utilities Sector.

- Architectural and Engineering Consulting Firms.
- Governmental bodies and Public Works agencies.
- Specialty Trade Contracting.



TARGET ORGANIZATIONS DEPARTMENT

- Procurement and Purchasing Department.
- Project Management Office (PMO).
- Contracts and Commercial Department.
- Operations and Site Management.
- Logistics and Supply Chain Department.
- Finance and Cost Control Department.
- Engineering and Design Department.
- Planning and Scheduling Department.

COURSE OFFERINGS:

By the end of this course, the participants will have able to:

- Develop a robust strategic procurement plan tailored for construction projects.
- Master advanced negotiation techniques with suppliers, subcontractors, and vendors.
- Implement effective material management and inventory control systems on-site.
- Analyze and select the most appropriate types of construction contracts.
- Identify, assess, and mitigate supply chain risks specific to the construction industry.
- Evaluate and manage supplier performance to ensure quality and reliability.
- Integrate sustainable and green procurement practices into construction projects.
- Utilize technology and e-procurement tools to enhance efficiency and transparency.
- Manage logistics and transportation for timely delivery of materials to construction sites.
- Develop effective cost control and reduction strategies throughout the procurement cycle.

COURSE METHODOLOGY:

The training methodology at BIG BEN Training Center is designed to be highly interactive, engaging, and practical, ensuring that participants can immediately apply their learning to real-world construction scenarios. We believe in an active learning approach that goes beyond traditional lectures. The course incorporates a blend of expert-led presentations, in-depth case studies of successful and challenging construction projects, and collaborative group discussions where participants can share their unique experiences and insights. A significant portion of the training is dedicated to hands-on workshops and practical exercises, such as simulating contract negotiations, developing a material logistics plan, and conducting a supplier risk assessment. Role-playing sessions will be used to build confidence in critical communication and negotiation skills. Participants will receive continuous feedback from the instructor and peers in a supportive and professional environment. This immersive learning experience ensures a deep understanding of the concepts and provides the tools needed to drive tangible improvements in procurement and material management performance back in the workplace.

COURSE AGENDA (COURSE UNITS):

UNIT ONE: FUNDAMENTALS OF CONSTRUCTION PROCUREMENT AND SUPPLY CHAIN



- The strategic role of procurement in construction project success.
- Overview of the construction supply chain and its key stakeholders.
- The complete procurement lifecycle from needs assessment to project closeout.
- Understanding different procurement routes (e.g., traditional, design-build).
- Ethical considerations and codes of conduct in construction procurement.
- Key performance indicators (KPIs) for procurement in construction.
- The impact of procurement decisions on project cost, quality, and time.

UNIT TWO: STRATEGIC SOURCING AND SUPPLIER MANAGEMENT

- Developing a strategic sourcing plan for construction materials and services.
- Techniques for market analysis and supplier identification.
- Crafting effective Requests for Quotation (RFQs) and Invitations to Tender (ITTs).
- Comprehensive supplier evaluation and pre-qualification criteria.
- Building and managing long-term supplier relationships and alliances.
- Mastering negotiation strategies for construction contracts.
- Performance management and continuous improvement for suppliers.

UNIT THREE: MATERIAL MANAGEMENT AND LOGISTICS ON CONSTRUCTION SITES

- Principles of effective material requirements planning (MRP) for projects.
- Inventory management techniques (Just-in-Time, Kanban) in a construction context.
- Strategies for on-site material storage, handling, and security.
- Developing a comprehensive construction logistics and transportation plan.
- Coordinating material deliveries to avoid project delays and congestion.
- Implementing material tracking and control systems using modern technology.
- Managing surplus, waste, and reverse logistics for construction materials.

UNIT FOUR: CONTRACT MANAGEMENT AND LEGAL FRAMEWORKS

- Understanding different types of construction contracts (lump sum, cost-plus, etc.).
- Key contract clauses and their implications for procurement.
- Risk allocation and management within construction contracts.
- Managing contract variations, change orders, and claims.
- The legal framework governing procurement in the construction industry.
- Dispute resolution mechanisms in construction contracts.
- Best practices for contract administration and closeout procedures.

UNIT FIVE: ADVANCED TOPICS AND FUTURE TRENDS IN CONSTRUCTION PROCUREMENT

- Integrating sustainability and green procurement into construction projects.
- The role of technology and e-procurement in modern construction.
- Advanced risk management strategies for volatile construction markets.
- Global sourcing and international logistics for construction materials.
- Cost reduction strategies and value engineering in procurement.
- Lean principles applied to the construction supply chain.
- Future trends shaping the future of construction procurement and material management.



FAQ:

QUALIFICATIONS REQUIRED FOR REGISTERING TO THIS COURSE?

There are no requirements.

HOW LONG IS EACH DAILY SESSION, AND WHAT IS THE TOTAL NUMBER OF TRAINING HOURS FOR THE COURSE?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

SOMETHING TO THINK ABOUT:

In an industry prone to delays and cost overruns, how can a proactive and strategic procurement function transform from a cost center into a value-generating partner?

WHAT UNIQUE QUALITIES DOES THIS COURSE OFFER COMPARED TO OTHER COURSES?

This course distinguishes itself by moving beyond generic procurement theory to address the unique, high-stakes environment of the construction industry. Unlike generalist courses, every module, case study, and exercise is specifically tailored to the challenges construction professionals face daily, from managing bulk material logistics on a constrained site to negotiating complex, multi-phase contracts. The curriculum places a strong emphasis on proactive risk management, equipping participants with the foresight to navigate material price volatility, supply chain disruptions, and subcontractor reliability issues, which are often overlooked in standard training. Furthermore, the course integrates contemporary themes crucial for modern construction, such as sustainable procurement and the application of digital tools, ensuring participants are prepared for the future of the industry. The focus is not just on process but on strategic decision-making. Participants will learn how to align procurement objectives with overall project goals, transforming their role from a purely operational function to a strategic driver of project profitability, quality, and timely completion. This practical, industry-specific, and forward-looking approach provides a depth of learning that is immediately applicable and impactful.