

CARRY OUT MANUAL EXCAVATION

“Mastering Safe, Efficient, and Compliant Manual Excavation Techniques”

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

► Available delivery methods: In-House Training

Introduction

Manual excavation is a critical skill required in areas where machine access is limited or where precise control is essential. This course focuses on equipping participants with the theoretical knowledge and hands-on skills to perform excavation work safely, correctly, and in line with environmental and occupational standards. Participants will gain a sound understanding of tools, soil types, safety practices, and regulatory requirements.

Objectives

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

- Identify and manage potential hazards in manual excavation.
- Understand and interpret excavation plans and site markings.
- Select and use appropriate manual excavation tools.
- Classify soil types and recognize unstable ground.
- Apply safe trenching and shoring methods.
- Comply with legal and environmental excavation standards.
- Respond effectively to incidents or emergencies during excavation.

Why Attend

Whether you're a new field operator, technician, or safety officer, this course strengthens your field performance by emphasizing practical, safety-conscious excavation practices. Manual excavation is frequently required in urban construction, utilities, repair works, archaeological digs, and hazardous material zones—making these skills valuable across industries.

Target Audience

- Field engineers and technicians
- Construction and civil workers
- Health and safety officers
- Utility installation and maintenance staff
- Maintenance and facilities teams
- Contractors and subcontractors

Individual Benefits

- Improved excavation efficiency and confidence
- Enhanced awareness of field safety and risk reduction
- Certification for compliance and skill validation
- Practical training for on-ground application

Organizational Benefits

- Reduced workplace accidents and liabilities
- Improved project timelines with fewer reworks
- Better compliance with regulatory standards (e.g., OSHA)
- Skilled workforce ready for specialized projects

Instructional Methodology

- Expert-led theory sessions
- Case study discussions
- Hands-on practical demonstrations
- Group-based activities and simulations
- Pre- and post-assessments
- Tool identification and usage exercises

Course Outline

DETAILED 5-DAY COURSE OUTLINE (Customizable) Training Hours: 07:30 AM – 03:30 PM Daily Format: 3–4 Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Foundations of Manual Excavation

- **Module 1 (07:30 – 09:30):** Introduction to Manual Excavation – Scope, Uses, and Limitations
- **Module 2 (09:45 – 11:15):** Types of Excavation and Associated Hazards
- **Module 3 (11:30 – 01:00):** Excavation Planning, Drawings, and Utility Markings

Day 2: Soil and Ground Conditions

- **Module 4 (07:30 – 09:30):** Soil Classification and Stability
- **Module 5 (09:45 – 11:15):** Weather Effects and Water Management
- **Module 6 (11:30 – 01:00):** Identifying Unstable Ground and Collapse Risks

Day 3: Tools and Techniques

- **Module 7 (07:30 – 09:30):** Excavation Tools – Identification, Use, and Maintenance
- **Module 8 (09:45 – 11:15):** Proper Digging Techniques and Ergonomics
- **Module 9 (11:30 – 01:00):** Hand Signals, Communication & Spotter Roles

Day 4: Safety and Risk Mitigation

- **Module 10 (07:30 – 09:30):** PPE and On-Site Safety Procedures
- **Module 11 (09:45 – 11:15):** Trenching, Shoring, and Access Management
- **Module 12 (11:30 – 01:00):** Regulatory Compliance (e.g., OSHA, HSE Guidelines)

Day 5: Practical Workshop and Assessment

- **Module 13 (07:30 – 09:30):** Practical Excavation and Site Setup Exercise
- **Module 14 (09:45 – 11:15):** Hazard Identification and Response Drill
- **Module 15 (11:30 – 01:00):** Final Knowledge Review & Certificate Ceremony

Certification

Participants will receive an internationally recognized Certificate of Completion, validating their skills in safe and effective manual excavation. This certification enhances employability and supports compliance with industry safety standards.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
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In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: +601116373203	EMAIL: info@mawaevents.net
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