



TRAINING AND PROJECTS

"making your skills a priority"

Course Title: Demonstrate Knowledge of Civil Construction Works

SAQA ID: 262724

NQF Level: 2

Credits: 3

Course Description:

This course provides learners with foundational knowledge of civil construction works, enabling them to understand key principles, processes, and materials used in civil engineering projects. The course covers the essential aspects of civil construction, including site preparation, basic construction methods, and the roles of various construction team members. Learners will also gain an understanding of the types of infrastructure typically built in civil projects, such as roads, bridges, and pipelines.

Course Objectives:

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

- Understand the basic concepts and processes of civil construction works.
- Identify common materials and equipment used in civil construction projects.
- Explain the roles and responsibilities of team members in a civil construction project.
- Demonstrate knowledge of safety practices and procedures in civil construction.
- Apply basic principles of site preparation and construction techniques.

Benefits of Completing this Course:

- Gain essential knowledge of civil construction to enhance job performance in the construction industry.
- Improve understanding of construction processes and materials.
- Contribute more effectively as a member of a civil construction team.
- Increase employability in the civil engineering and construction sectors.
- Obtain a recognized qualification that opens doors to further learning in construction-related fields.

Who Should Attend:

- Entry-level workers in the civil construction industry.
- Individuals who want to pursue a career in civil construction or related fields.
- Team members seeking to improve their understanding of construction processes and practices.
- Construction workers aiming to enhance their knowledge of safety procedures and materials in civil works.



TRAINING AND PROJECTS

"making your skills a priority"

Assessment:

Assessment will be based on the learner's ability to demonstrate an understanding of civil construction works through:

- Written tests on civil construction concepts and safety procedures.
- Practical demonstrations of site preparation and basic construction methods.
- Scenario-based assessments involving the use of materials and equipment in civil construction projects.
- Participation in group discussions and activities related to civil construction processes.

Specific Outcomes and Assessment Criteria:

By successfully completing this SAQA Unit Standard, learners will demonstrate competency in the following:

1. Understand Civil Construction Works:

- Explain the purpose and importance of civil construction in infrastructure development.
- Identify different types of civil construction works such as roads, bridges, and pipelines.
- Assessment Criteria: Written assessment on the scope and significance of civil construction projects.

2. Identify Materials and Equipment Used in Civil Construction:

- List common materials like concrete, steel, and asphalt used in civil construction.
- Identify basic equipment used in civil construction, including excavators, graders, and compactors.
- Assessment Criteria: Practical identification of materials and equipment used on a civil construction site.

3. Explain the Roles and Responsibilities of Construction Team Members:

- Understand the roles of engineers, site supervisors, and labourers in civil construction projects.
- Explain how teamwork and coordination contribute to the success of a civil project.
- Assessment Criteria: Scenario-based group discussions on team roles and responsibilities in civil construction.

4. Apply Safety Procedures in Civil Construction:

- Demonstrate an understanding of safety practices and regulations in civil construction works.
- Explain the use of personal protective equipment (PPE) and hazard identification techniques.
- Assessment Criteria: Practical exercises demonstrating knowledge of safety protocols and PPE usage.



TRAINING AND PROJECTS

"making your skills a priority"

5. **Demonstrate Basic Construction Techniques:**

- Explain the processes involved in site preparation, such as clearing, levelling, and excavation.
- Demonstrate basic construction methods, including formwork setup and concrete placement.
- Assessment Criteria: Practical demonstration of site preparation and construction tasks.

By completing this course, learners will gain foundational knowledge in civil construction works, making them valuable contributors to construction projects and opening doors to further training and career advancement in the industry.