



TRAINING AND PROJECTS

"making your skills a priority"

**Course Title:** Occupational Certificate: Construction Plant Operator

**SAQA ID:** 117005

**NQF Level:** 2

**Credits:** 138

---

### **Course Description:**

The **Occupational Certificate: Construction Plant Operator** course is designed to provide learners with the knowledge and skills required to safely and effectively operate various types of construction plant equipment. This includes equipment such as bulldozers, excavators, backhoes, and graders commonly used in construction and earthmoving projects. The course emphasizes safe operation, maintenance practices, and efficient handling of plant machinery in a construction environment.

Learners will gain hands-on experience and theoretical knowledge in the operation of construction plant equipment, and they will be prepared for worksite tasks that require careful attention to safety and regulatory compliance.

### **Course Objectives:**

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

- Safely operate various construction plant equipment in accordance with industry standards.
- Perform routine maintenance and basic troubleshooting of construction machinery.
- Understand and apply health, safety, and environmental regulations related to plant operations.
- Demonstrate proficiency in the operation of specific plant machinery, such as excavators, bulldozers, graders, and loaders.
- Communicate effectively with team members and supervisors on the construction site.

### **Benefits of Completing this Course:**

- Achieve a recognized qualification in construction plant operation.
- Improve employment opportunities in the construction and earthmoving industries.
- Gain practical skills in the operation and maintenance of various plant equipment.
- Contribute to a safer and more efficient work environment on construction sites.
- Learn to apply health, safety, and environmental regulations on the job.

### **Who Should Attend:**

- Individuals looking to pursue a career as a construction plant operator.
- Workers who operate plant equipment on construction sites and wish to formalize their qualifications.
- Managers or supervisors in construction who want to deepen their understanding of plant operations.
- Those seeking a career in the construction or earthmoving industries.



TRAINING AND PROJECTS

"making your skills a priority"

### Assessment:

Assessment will be based on the learner's ability to demonstrate understanding and practical application of the knowledge gained throughout the course. This includes:

- Written tests to assess knowledge of plant operations, maintenance, and safety regulations.
- Practical demonstrations of equipment operation and maintenance tasks.
- Scenarios or role-play to assess communication, safety procedures, and teamwork on the construction site.
- Continuous assessment through participation in activities and feedback.

---

### Specific Outcomes and Assessment Criteria:

By successfully completing this **Occupational Certificate: Construction Plant Operator**, learners will demonstrate competence in the following:

#### 1. Operate Construction Plant Equipment Safely and Efficiently:

- Safely operate a variety of construction plant machinery, such as excavators, bulldozers, and graders.
- Follow manufacturer's operating instructions and site-specific procedures for plant operation.
- **Assessment Criteria:** Observation of equipment operation and assessment of efficiency and safety.

#### 2. Perform Basic Maintenance and Troubleshooting of Construction Plant:

- Carry out routine maintenance tasks such as cleaning, lubricating, and checking fluid levels on construction equipment.
- Identify and troubleshoot common issues that may arise with construction plant machinery.
- **Assessment Criteria:** Practical demonstration of maintenance tasks and problem-solving abilities.

#### 3. Comply with Health, Safety, and Environmental Regulations:

- Understand and implement safety procedures for plant operation, including the use of personal protective equipment (PPE).
- Follow environmental guidelines for plant operation, such as waste disposal and minimizing environmental impact.
- **Assessment Criteria:** Practical observation of safety and environmental practices on the worksite.



TRAINING AND PROJECTS

"making your skills a priority"

#### 4. Operate Specific Plant Machinery in Different Construction Environments:

- Demonstrate competence in using a variety of construction plant machinery in various worksite conditions.
- Adjust operations based on site-specific needs and tasks.
- **Assessment Criteria:** Evaluation of proficiency and adaptability when operating machinery in different environments.

#### 5. Communicate Effectively and Work as Part of a Construction Team:

- Communicate with colleagues, supervisors, and site managers to coordinate tasks and ensure safe plant operations.
- Report issues or safety concerns promptly and clearly to relevant stakeholders.
- **Assessment Criteria:** Evaluation of communication skills during practical exercises and site-based tasks.

---

Completing the **Occupational Certificate: Construction Plant Operator** will ensure learners are skilled in the safe and efficient operation of construction plant equipment, contributing to a safer, more productive work environment. This qualification opens career opportunities in the construction and earthmoving sectors, preparing individuals to operate machinery and carry out essential maintenance tasks.