

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	
Competency Standards	Perform core drilling techniques for mining
Assessment Task	Perform the following for drilling process as per the given area 1. Measure the mud parameters 2. Perform manual drilling 3. Perform rotary drilling 4. Perform reclamation

I can.....

Performance Criteria	Yes	No
1. Measure the viscosity of given sample	<input type="checkbox"/>	<input type="checkbox"/>
2. Measure gel strength and PH of given sample	<input type="checkbox"/>	<input type="checkbox"/>
3. Adopt health and safety measures for drilling as per manual.	<input type="checkbox"/>	<input type="checkbox"/>
4. Perform drilling for mining process as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>
5. Select drill bit and depth according to the rock type	<input type="checkbox"/>	<input type="checkbox"/>
6. Operate Jackhammer, Compressor and Air Handheld machine as per Manual	<input type="checkbox"/>	<input type="checkbox"/>
7. Select drill bit for rotary drilling as required	<input type="checkbox"/>	<input type="checkbox"/>
8. Identify size of hole for drilling as required	<input type="checkbox"/>	<input type="checkbox"/>
9. Remove drilling rig and ancillary services to the designated area	<input type="checkbox"/>	<input type="checkbox"/>
10. Clean and store attachments and ancillary service equipment	<input type="checkbox"/>	<input type="checkbox"/>
11. Complete all required records and documentation	<input type="checkbox"/>	<input type="checkbox"/>
12. Clear site of debris as per requirement		

Candidate's Signature_____

Assessor's Signature_____

Date: _____

Instruction Sheet for the Candidate

Qualification	National Vocational Certificate level 1 to 5, Mining Process Technology
Competency Standard(s)	Perform core drilling techniques for mining

Candidate Details	Name _____ Registration/Roll Number _____
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>Perform the following for drilling process as per the given area</p> <ol style="list-style-type: none"> 1. Measure the mud parameters 2. Perform manual drilling 3. Perform rotary drilling 4. Perform reclamation
Time:180 mins	During a practical assessment, under observation by an assessor, you are required to demonstrating the following criteria:
Minimum Evidence Required	<ol style="list-style-type: none"> 1. Measure the viscosity of given sample 2. Measure gel strength and PH of given sample 3. Adopt health and safety measures for drilling as per manual. 4. Perform drilling for mining process as per requirement. 5. Select drill bit and depth according to the rock type 6. Operate Jackhammer, Compressor and Air Handheld machine as per Manual 7. Select drill bit for rotary drilling as required 8. Identify size of hole for drilling as required 9. Remove drilling rig and ancillary services to the designated area 10. Clean and store attachments and ancillary service equipment 11. Complete all required records and documentation 12. Clear site of debris as per requirement

Assessors Judgment Guide

Qualification	National Vocational Certificate level 1 to 5, Mining Process Technology
Competency Standard(s)	Perform core drilling techniques for mining
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task	Perform the following for drilling process as per the given area <ol style="list-style-type: none"> 1. Measure the mud parameters 2. Perform manual drilling 3. Perform rotary drilling 4. Perform reclamation 			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Measure the viscosity of given sample			
2.	Measure gel strength and PH of given sample			
3.	Adopt health and safety measures for drilling as per manual.			
4.	Perform drilling for mining process as per requirement.			
5.	Select drill bit and depth according to the rock type			
6.	Operate Jackhammer, Compressor and Air Handheld machine as per Manual			
7.	Select drill bit for rotary drilling as required			
8.	Identify size of hole for drilling as required			
9.	Remove drilling rig and ancillary services to the designated area			
10.	Clean and store attachments and ancillary service equipment			
11.	Complete all required records and documentation			
12.	Clear site of debris as per requirement			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Feedback to the Candidate	
Candidate's Signature_____	Assessor's Signature_____