

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	
Competency Standards	Perform basic workshop techniques
Assessment Task	<p>1) Perform Drilling for Blasting as per the given site with the following parameters</p> <p>a. Bit dia = 25/32/38 mm</p> <p>b. Depth = 1 m</p> <p>c. Angle = 90°</p> <p>2) Perform counter drilling for handling misfire (If occurred)</p> <p>3) Perform hole reaming</p>

I can.....

Performance Criteria	Yes	No
1. Observe personal and work place safety.	<input type="checkbox"/>	<input type="checkbox"/>
2. Set up drilling machine for producing holes according to job requirement.	<input type="checkbox"/>	<input type="checkbox"/>
3. Manipulate the machine tool controls safely and correctly in line with operational procedures.	<input type="checkbox"/>	<input type="checkbox"/>
4. Produce components to the required quality and within the specified dimensional accuracy.	<input type="checkbox"/>	<input type="checkbox"/>
5. Carry out quality sampling checks at suitable intervals.	<input type="checkbox"/>	<input type="checkbox"/>
6. Shut down the equipment to a safe condition on conclusion of the machining activities.	<input type="checkbox"/>	<input type="checkbox"/>
7. Select relevant tools according to the information given in engineering drawings and job specifications.	<input type="checkbox"/>	<input type="checkbox"/>
8. Ensure tooling is correct in terms of size, shape, type, and grade for the work.	<input type="checkbox"/>	<input type="checkbox"/>
9. Position the work-piece in the drill in such a way that it is aligned, secured and stable during drilling.	<input type="checkbox"/>	<input type="checkbox"/>
10. Adjust speeds and feeds of drill in accordance with the size, type, and hardness of work-piece material, so that the drill performs optimum cutting without damage to work-piece.	<input type="checkbox"/>	<input type="checkbox"/>
11. Observe personal and workplace safety.	<input type="checkbox"/>	<input type="checkbox"/>
12. Clamp work-piece in the vice properly.	<input type="checkbox"/>	<input type="checkbox"/>
13. Select reamer according to hole size and drawing requirements	<input type="checkbox"/>	<input type="checkbox"/>

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 basic workshop techniques

Candidate Details	<p>Name_____</p> <p>Registration/Roll Number_____</p>
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>1) Perform Drilling for Blasting as per the given site with the following parameters</p> <p>a. Bit dia = 25/32/38 mm</p> <p>b. Depth = 1 m</p> <p>c. Angle = 10°</p> <p>2) Perform counter drilling for handling misfire (If occurred)</p> <p>Perform hole reaming</p>
Time:120 mins	During a practical assessment, under observation by an assessor, you are required to demonstrate the following criteria:
Minimum Evidence Required	<ol style="list-style-type: none"> 1. Observe personal and work place safety. 2. Set up drilling machine for producing holes according to job requirement. 3. Manipulate the machine tool controls safely and correctly in line with operational procedures. 4. Produce components to the required quality and within the specified dimensional accuracy. 5. Carry out quality sampling checks at suitable intervals. 6. Shut down the equipment to a safe condition on conclusion of the machining activities. 7. Select relevant tools according to the information given in engineering drawings and job specifications. 8. Ensure tooling is correct in terms of size, shape, type, and grade for the work. 9. Position the work-piece in the drill in such a way that it is aligned, secured and stable during drilling. 10. Adjust speeds and feeds of drill in accordance with the size, type, and hardness of work-piece material, so that the drill performs optimum cutting without damage to work-piece. 11. Observe personal and workplace safety. 12. Clamp work-piece in the vice properly. 13. Select reamer according to hole size and drawing requirements

Assessors Judgment Guide

Qualification	National Vocational Certificate level 1 to 5, Mining Process Technology
Competency Standard(s)	Perform basic workshop techniques
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	1) Perform Drilling for Blasting as per the given site with the following parameters <ul style="list-style-type: none"> a. Bit dia = 25/32/38 mm b. Depth = 1 m c. Angle = 10° 2) Perform counter drilling for handling misfire (If occurred) Perform hole reaming			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Observe personal and work place safety.			
2.	Set up drilling machine for producing holes according to job requirement.			
3.	Manipulate the machine tool controls safely and correctly in line with operational procedures.			
4.	Produce components to the required quality and within the specified dimensional accuracy.			
5.	Carry out quality sampling checks at suitable intervals.			
6.	Shut down the equipment to a safe condition on conclusion of the machining activities.			
7.	Select relevant tools according to the information given in engineering drawings and job specifications.			
8.	Ensure tooling is correct in terms of size, shape, type, and grade for the work.			
9.	Position the work-piece in the drill in such a way that it is aligned, secured and stable during drilling.			
10.	Adjust speeds and feeds of drill in accordance with the size, type, and hardness of work-piece material, so that the drill performs optimum cutting without damage to work-piece.			
11.	Observe personal and workplace safety.			
12.	Clamp work-piece in the vice properly.			
13.	Select reamer according to hole size and drawing requirements			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

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

National Vocational Certificate level 1 to 5, Mining Process Technology (Perform basic workshop techniques)