

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Mining Process Technology
Competency Standards	Perform underground mining technique
Assessment Task	Execute the following Underground Mining Techniques as per the given site 1. Perform room and pillar method 2. Perform long wall method

I can.....

Performance Criteria	Yes	No
1. Use room and pillar mining method in coal, salt and large ore deposits as required	<input type="checkbox"/>	<input type="checkbox"/>
2. Identify horizontal plane as required	<input type="checkbox"/>	<input type="checkbox"/>
3. Create horizontal arrays of rooms and pillar	<input type="checkbox"/>	<input type="checkbox"/>
4. Cut a slot as deep as possible along the bottom of a section of ore	<input type="checkbox"/>	<input type="checkbox"/>
5. Allow undercut for a manageable pile of rock	<input type="checkbox"/>	<input type="checkbox"/>
6. Create a pile of ore that is loaded and hauled out of the mine	<input type="checkbox"/>	<input type="checkbox"/>
7. Retreat the mining as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
8. Maintain all post operation activities as per environmental safety factors	<input type="checkbox"/>	<input type="checkbox"/>
9. Recognize the limits of long wall mining in coal mining	<input type="checkbox"/>	<input type="checkbox"/>
10. Set hydraulic supports that are located parallel to the mining face	<input type="checkbox"/>	<input type="checkbox"/>
11. Identify the distance for mining	<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 underground mining technique

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>Execute the following Underground Mining Techniques as per the given site</p> <ol style="list-style-type: none"> 1. Perform room and pillar method 2. Perform long wall method
Time:120 mins	<p>During a practical assessment, under observation by an assessor, you are required to demonstrating the following criteria:</p> <ol style="list-style-type: none"> 1. Use room and pillar mining method in coal, salt and large ore deposits as required 2. Identify horizontal plane as required 3. Create horizontal arrays of rooms and pillar 4. Cut a slot as deep as possible along the bottom of a section of ore 5. Allow undercut for a manageable pile of rock 6. Create a pile of ore that is loaded and hauled out of the mine 7. Retreat the mining as per requirement 8. Maintain all post operation activities as per environmental safety factors 9. Recognize the limits of long wall mining in coal mining 10. Set hydraulic supports that are located parallel to the mining face 11. Identify the distance for mining
Minimum Evidence Required	

Assessors Judgment Guide

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

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

Observation Checklist

Assessment Task	Execute the following Underground Mining Techniques as per the given site			
	<ol style="list-style-type: none"> 1. Perform room and pillar method 2. Perform long wall method 			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Use room and pillar mining method in coal, salt and large ore deposits as required			
2.	Identify horizontal plane as required			
3.	Create horizontal arrays of rooms and pillar			
4.	Cut a slot as deep as possible along the bottom of a section of ore			
5.	Allow undercut for a manageable pile of rock			
6.	Create a pile of ore that is loaded and hauled out of the mine			
7.	Retreat the mining as per requirement			
8.	Maintain all post operation activities as per environmental safety factors			
9.	Recognize the limits of long wall mining in coal mining			
10.	Set hydraulic supports that are located parallel to the mining face			
11.	Identify the distance for mining			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

National Vocational Certificate level 1 to 5, Mining Process Technology (Perform underground mining technique)

Feedback to the Candidate	
Candidate's Signature _____	Assessor's Signature _____