

## Self-Assessment Checklist

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

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	<b>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration &amp; assessment):</b>  <b>Execute the following Underground Mining Techniques as per the given site</b> <b>1. Perform room and pillar method</b> <b>2. Perform long wall method</b>
Time:120 mins	During a practical assessment, under observation by an assessor, you are required to demonstrating the following criteria: 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
Minimum Evidence Required	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

## Assessors Judgment Guide

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

<b>Assessment Task</b>	<b>Execute the following Underground Mining Techniques as per the given site</b> 1. Perform room and pillar method 2. Perform long wall method			
<b>During the practical assessment, candidate demonstrated the following:</b>		<b>Yes</b>	<b>No</b>	<b>Remarks</b>
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			
<b>Competent</b> <input type="checkbox"/>		<b>Not Yet Competent</b> <input type="checkbox"/>		

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