

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	
Competency Standards	<ol style="list-style-type: none"> 1. Follow basic safety rules at workplace 2. Demonstrate Basic Numeracy skills 3. Perform Basic Manual Drawing 4. Construct multi-view drawing 5. Perform basic workshop techniques 6. Interpret topographic sheet 7. Interpret geological maps 8. Understand mineral maps 9. Verify Ohm's Law & Kirchhoff's Law by Implementing Series/Parallel Circuits. 10. Handle transportation and explosive material
Assessment Task	Make a comprehensive work plan to draw a basic technical drawing for mine Initiation

I can.....

Performance Criteria	Yes	No
1. Applies mine site safety reporting procedures	<input type="checkbox"/>	<input type="checkbox"/>
2. Use appropriate personal protective equipment	<input type="checkbox"/>	<input type="checkbox"/>
3. Identify and conform appropriate procedures for working in confined space	<input type="checkbox"/>	<input type="checkbox"/>
4. Calculate quantities of materials (stone aggregate stacks/pile and sand) by incorporating time saving practices	<input type="checkbox"/>	<input type="checkbox"/>
5. Prepare Drawing sheet as per requirements	<input type="checkbox"/>	<input type="checkbox"/>
6. Set up drilling machine according to job requirement.	<input type="checkbox"/>	<input type="checkbox"/>
7. 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"/>
8. Ensure proper alignment of the reamer during operations.	<input type="checkbox"/>	<input type="checkbox"/>
9. Identify geographical location of topographic sheet		
10. Identify the natural and man-made features on topographic sheet		
11. Measure distance between two specific points on topographic sheet	<input type="checkbox"/>	<input type="checkbox"/>
12. Calculate mining area of required location		
13. Measure dip and strike of the rock bed		

National Vocational Certificate level 1 to 5, Mining Process Technology (Summative AG for L2)

14. Identify type of lithology (limestone, sandstone, shale etc.)	<input type="checkbox"/>	<input type="checkbox"/>
15. Identify Fold, faults and joints	<input type="checkbox"/>	<input type="checkbox"/>
16. Identify legends and symbols on map	<input type="checkbox"/>	<input type="checkbox"/>
17. Identify Sedimentary, Igneous area and Metamorphic area	<input type="checkbox"/>	<input type="checkbox"/>
18. Identify different mineral zone on map	<input type="checkbox"/>	<input type="checkbox"/>
19. Estimate the hardness of gemstone	<input type="checkbox"/>	<input type="checkbox"/>
20. Perform Basic Electric Circuits as required	<input type="checkbox"/>	<input type="checkbox"/>
21. Apply Basic Electrical Measurements	<input type="checkbox"/>	<input type="checkbox"/>
22. Keep detonator and explosive material separately while transferring as per SOP	<input type="checkbox"/>	<input type="checkbox"/>
23. Store all blasting material away from populated area under surveillance	<input type="checkbox"/>	<input type="checkbox"/>
24. Keep the electric wires and metallic materials away from Magazine (Storage) as per SOP	<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)	<ol style="list-style-type: none">1. Follow basic safety rules at workplace2. Demonstrate Basic Numeracy skills3. Perform Basic Manual Drawing4. Construct multi-view drawing5. Perform basic workshop techniques6. Interpret topographic sheet7. Interpret geological maps8. Understand mineral maps9. Verify Ohm's Law & Kirchhoff's Law by Implementing Series/Parallel Circuits.10. Handle transportation and explosive material

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>Make a comprehensive work plan to draw a basic technical drawing for mine Initiation</p>
Time:180 mins	<p>During a practical assessment, under observation by an assessor, you are required to conduct iron conduit surface wiring for a three-phase industrial motor on a dish antenna and generate a task completion report. demonstrating the following criteria:</p>
Minimum Evidence Required	<ol style="list-style-type: none"> 1. Applies mine site safety reporting procedures 2. Use appropriate personal protective equipment 3. Identify and conform appropriate procedures for working in confined space 4. Calculate quantities of materials (stone aggregate stacks/pile and sand) by incorporating time saving practices 5. Prepare Drawing sheet as per requirements 6. Set up drilling machine according to job requirement. 7. 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. 8. Ensure proper alignment of the reamer during operations. 9. Identify geographical location of topographic sheet 10. Identify the natural and man-made features on topographic sheet 11. Measure distance between two specific points on topographic sheet 12. Calculate mining area of required location 13. Measure dip and strike of the rock bed 14. Identify type of lithology (limestone, sandstone, shale etc.) 15. Identify Fold, faults and joints 16. Identify legends and symbols on map 17. Identify Sedimentary, Igneous area and Metamorphic area 18. Identify different mineral zone on map 19. Estimate the hardness of gemstone 20. Perform Basic Electric Circuits as required 21. Apply Basic Electrical Measurements 22. Keep detonator and explosive material separately while transferring as per SOP 23. Store all blasting material away from populated area under surveillance 24. Keep the electric wires and metallic materials away from Magazine (Storage) as per SOP

Assessors Judgment Guide

Qualification	National Vocational Certificate level 1 to 5, Mining Process Technology
Competency Standard(s)	<ol style="list-style-type: none"> 1. Follow basic safety rules at workplace 2. Demonstrate Basic Numeracy skills 3. Perform Basic Manual Drawing 4. Construct multi-view drawing 5. Perform basic workshop techniques 6. Interpret topographic sheet 7. Interpret geological maps 8. Understand mineral maps 9. Verify Ohm's Law & Kirchoff's Law by Implementing Series/Parallel Circuits. 10. Handle transportation and explosive material
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	Make a comprehensive work plan to draw a basic technical drawing for mine Initiation			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Applies mine site safety reporting procedures			
2.	Use appropriate personal protective equipment			
3.	Identify and conform appropriate procedures for working in confined space			
4.	Calculate quantities of materials (stone aggregate stacks/pile and sand) by incorporating time saving practices			
5.	Prepare Drawing sheet as per requirements			
6.	Set up drilling machine according to job requirement.			
7.	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.			
8.	Ensure proper alignment of the reamer during operations.			
9.	Identify geographical location of topographic sheet			
10.	Identify the natural and man-made features on topographic sheet			
11.	Measure distance between two specific points on topographic sheet			
12.	Calculate mining area of required location			
13.	Measure dip and strike of the rock bed			
14.	Identify type of lithology (limestone, sandstone, shale etc.)			
15.	Identify Fold, faults and joints			
16.	Identify legends and symbols on map			
17.	Identify Sedimentary, Igneous area and Metamorphic area			
18.	Identify different mineral zone on map			
19.	Estimate the hardness of gemstone			
20.	Perform Basic Electric Circuits as required			
21.	Apply Basic Electrical Measurements			
22.	Keep detonator and explosive material separately while transferring as per SOP			
23.	Store all blasting material away from populated area under surveillance			
24.	Keep the electric wires and metallic materials away from Magazine (Storage) as per SOP			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

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