

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	National Vocational Certificate level 1 to 5, Mining Process Technology
Competency Standards	<ol style="list-style-type: none"> 1. Perform health, safety and environment practices 2. Apply basic Occupational Health & Safety regulations 3. Set-up and prepare for drilling operations 4. Perform drilling techniques for mining 5. Illustrate basic parameters of blasting 6. Conduct conveyor operations 7. Install/Use system software 8. Install / Use Application Software 9. Draft office documents 10. Manage graphic user interface 11. Develop 2D drawings 12. Develop 3D drawing 13. Manage Inventory of mine material
Assessment Task	<p>Perform the following task to complete Level-3 of mining process</p> <ol style="list-style-type: none"> 1. Draw a 2D and 3D Drawing by using software 2. Setup drilling and blasting procedures as per site 3. Execute conveyor operations

I can.....

Performance Criteria	Yes	No
1. Install system software as required	<input type="checkbox"/>	<input type="checkbox"/>
2. Develop 2D drawing as per plan	<input type="checkbox"/>	<input type="checkbox"/>
3. Develop 3D Drawing as per 2D plan	<input type="checkbox"/>	<input type="checkbox"/>
4. Applies mine site safety reporting procedures	<input type="checkbox"/>	<input type="checkbox"/>
5. Use appropriate personal protective equipment	<input type="checkbox"/>	<input type="checkbox"/>
6. Prepare drilling site for drilling	<input type="checkbox"/>	<input type="checkbox"/>
7. Mark out drill pattern ensuring it is visible and aids the drilling process	<input type="checkbox"/>	<input type="checkbox"/>
8. Maintain the blasting area for drilling according to safety measures.	<input type="checkbox"/>	<input type="checkbox"/>
9. Perform rotary drilling as per requirements	<input type="checkbox"/>	<input type="checkbox"/>
10. Remove drill rig and ancillary services, where applicable, to allocated area	<input type="checkbox"/>	<input type="checkbox"/>
11. Clear all drilling area after operation	<input type="checkbox"/>	<input type="checkbox"/>

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12. Complete all required records and documentation	<input type="checkbox"/>	<input type="checkbox"/>
13. Select appropriate type of blasting agents, explosives and equipment according to blasting plan and ground conditions	<input type="checkbox"/>	<input type="checkbox"/>
14. Charge Drill holes and evacuate the blast area.	<input type="checkbox"/>	<input type="checkbox"/>
15. Adhere to emergency procedures to ensure safety of personnel, plant and equipment	<input type="checkbox"/>	<input type="checkbox"/>
16. Secure blasting agents and explosives in their packaging to avoid spillage	<input type="checkbox"/>	<input type="checkbox"/>
17. Handle and separate detonator, blasting agents, explosives and equipment for transport	<input type="checkbox"/>	<input type="checkbox"/>
18. Install physical barricades and signage to protect pattern and avoid unauthorized access	<input type="checkbox"/>	<input type="checkbox"/>
19. Record blast outcomes indicating successes, misfires and general blast results and perform general house keeping	<input type="checkbox"/>	<input type="checkbox"/>
20. Perform conveyor pre-operational checks prior to conveyor operations	<input type="checkbox"/>	<input type="checkbox"/>
21. Activate audio and visual safety indicators before starting conveying operation	<input type="checkbox"/>	<input type="checkbox"/>
22. Complete work according to agreed work plan and outcomes	<input type="checkbox"/>	<input type="checkbox"/>
23. Remove all debris, complete all required records, documentation accurately and promptly	<input type="checkbox"/>	<input type="checkbox"/>
24. Maintain the Log Register using given format	<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. Perform health, safety and environment practices2. Apply basic Occupational Health & Safety regulations3. Set-up and prepare for drilling operations4. Perform drilling techniques for mining5. Illustrate basic parameters of blasting6. Conduct conveyor operations7. Install/Use system software8. Install / Use Application Software9. Draft office documents10. Manage graphic user interface11. Develop 2D drawings12. Develop 3D drawing13. Manage Inventory of mine 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>Perform the following task to complete Level-3 of mining process</p> <ol style="list-style-type: none"> 1. Draw a 2D and 3D Drawing by using software 2. Setup drilling and blasting procedures as per site 3. Execute conveyor operations
Time:5 hours	<p>During a practical assessment, under observation by an assessor, you are required to demonstrate the following criteria:</p>
Minimum Evidence Required	<ol style="list-style-type: none"> 1. Install system software as required 2. Develop 2D drawing as per plan 3. Develop 3D Drawing as per 2D plan 4. Applies mine site safety reporting procedures 5. Use appropriate personal protective equipment 6. Prepare drilling site for drilling 7. Mark out drill pattern ensuring it is visible and aids the drilling process 8. Maintain the blasting area for drilling according to safety measures. 9. Perform rotary drilling as per requirements 10. Remove drill rig and ancillary services, where applicable, to allocated area 11. Clear all drilling area after operation 12. Complete all required records and documentation 13. Select appropriate type of blasting agents, explosives and equipment according to blasting plan and ground conditions 14. Charge Drill holes and evacuate the blast area. 15. Adhere to emergency procedures to ensure safety of personnel, plant and equipment 16. Secure blasting agents and explosives in their packaging to avoid spillage 17. Handle and separate detonator, blasting agents, explosives and equipment for transport 18. Install physical barricades and signage to protect pattern and avoid unauthorized access 19. Record blast outcomes indicating successes, misfires and general blast results and perform general house keeping 20. Perform conveyor pre-operational checks prior to conveyor operations 21. Activate audio and visual safety indicators before starting conveying operation 22. Complete work according to agreed work plan and outcomes 23. Remove all debris, complete all required records, documentation accurately and promptly 24. Maintain the Log Register using given format

Observation Checklist

Assessment Task	Perform the following task to complete Level-3 of mining process		
	<ol style="list-style-type: none"> 1. Draw a 2D and 3D Drawing by using software 2. Setup drilling and blasting procedures as per site 3. Execute conveyor operations 		
During the practical assessment, candidate demonstrated the following:	Yes	No	Remarks
1. Installed system software as required	<input type="checkbox"/>	<input type="checkbox"/>	
2. Developed 2D drawing as per plan	<input type="checkbox"/>	<input type="checkbox"/>	
3. Developed 3D Drawing as per 2D plan	<input type="checkbox"/>	<input type="checkbox"/>	
4. Applied mine site safety reporting procedures	<input type="checkbox"/>	<input type="checkbox"/>	
5. Used appropriate personal protective equipment	<input type="checkbox"/>	<input type="checkbox"/>	
6. Prepared drilling site for drilling	<input type="checkbox"/>	<input type="checkbox"/>	
7. Marked out drill pattern ensuring it is visible and aids the drilling process	<input type="checkbox"/>	<input type="checkbox"/>	
8. Maintained the blasting area for drilling according to safety measures.	<input type="checkbox"/>	<input type="checkbox"/>	
9. Performed rotary drilling as per requirements	<input type="checkbox"/>	<input type="checkbox"/>	
10. Removed drill rig and ancillary services, where applicable, to allocated area	<input type="checkbox"/>	<input type="checkbox"/>	
11. Cleared all drilling area after operation	<input type="checkbox"/>	<input type="checkbox"/>	
12. Completed all required records and documentation	<input type="checkbox"/>	<input type="checkbox"/>	
13. Selected appropriate type of blasting agents, explosives and equipment according to blasting plan and ground conditions	<input type="checkbox"/>	<input type="checkbox"/>	
14. Charged Drill holes and evacuate the blast area.	<input type="checkbox"/>	<input type="checkbox"/>	
15. Adhered to emergency procedures to ensure safety of personnel, plant and equipment	<input type="checkbox"/>	<input type="checkbox"/>	
16. Secured blasting agents and explosives in their packaging to avoid spillage	<input type="checkbox"/>	<input type="checkbox"/>	
17. Handled and separate detonator, blasting agents, explosives and equipment for transport	<input type="checkbox"/>	<input type="checkbox"/>	
18. Installed physical barricades and signage to protect pattern and avoid unauthorized access	<input type="checkbox"/>	<input type="checkbox"/>	
19. Recorded blast outcomes indicating successes, misfires and general blast results and perform general house keeping	<input type="checkbox"/>	<input type="checkbox"/>	
20. Performed conveyor pre-operational checks prior to conveyor operations	<input type="checkbox"/>	<input type="checkbox"/>	
21. Activated audio and visual safety indicators before starting conveying operation	<input type="checkbox"/>	<input type="checkbox"/>	
22. Completed work according to agreed work plan and outcomes	<input type="checkbox"/>	<input type="checkbox"/>	
23. Removed all debris, complete all required records, documentation accurately and promptly	<input type="checkbox"/>	<input type="checkbox"/>	
24. Maintained the Log Register using given format	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>	

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