

Assessment Evidence Guide

For

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Level-2

Module name
(Formative Assessment)

8th-12th March 2021



**National Vocational & Technical
Training Commission**

Title of Qualification: Continuous casting machine (CCM) operator	CS Code:	Level:4	Version:01
Competency Standard Title: 3 Prepare mold for casting	Assessment Date (DD/MM/YY): Assessment Time:		

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>Assessment Task 1: Candidate is required to: Perform cleaning of mold parts</p> <p>Assessment Task 2: Candidate is required to: Install mold on CCM</p> <p>Assessment Task 3: Candidate is required to: Perform post- installation checks</p> <p>And complete:</p> <ol style="list-style-type: none"> 1. Knowledge assessment test (Written or Oral) 2. Portfolios at the time of assessment (if any)
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1</p> <ol style="list-style-type: none"> 1. Carry out cleaning of mold tube 2. Carry out cleaning of mold cooling jacket 3. Perform foot ring spray nozzle cleaning 4. Carry out cleaning of mold spares 5. Perform slag box cleaning and changing

	Assessment Task 2 6. Carry out inspection of mold coating 7. Assemble parts of mold body 8. Place mold body on oscillating platform on casting machine 9. Prepare launder and mold jacket safety cover 10. Put dummy bar in mold tube by skid bank operator 11. Apply dummy bar packing/sealing oil
	Assessment Task 3 12. Check leakage of water in mold body 13. Check seal rings placement in case of leakage 14. Check primary cooling water pressure inlet and outlet 15. Check movement of dummy bar
	Portfolios required at the time of assessment (if any) for

Continued on following page

Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code: Signature of the Assessor:.....

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							

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
	1. Carry out cleaning of mold tube			
	2. Carry out cleaning of mold cooling jacket			
	3. Perform foot ring spray nozzle cleaning			
	4. Carry out cleaning of mold spares			
	5. Perform slag box cleaning and changing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
	6. Carry out inspection of mold coating			
	7. Assemble parts of mold body			
	8. Place mold body on oscillating platform on casting machine			
	9. Prepare launder and mold jacket safety cover			
	10. Put dummy bar in mold tube by skid bank operator			
	11. Apply dummy bar packing/sealing oil			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3		
During the practical assessment, candidate demonstrated the following:		Yes	N o	Remarks
	12. Check leakage of water in mold body			
	13. Check seal rings placement in case of leakage			
	14. Check primary cooling water pressure inlet and outlet			
	15. Check movement of dummy bar			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: Continuous casting machine (CCM) operator	CS Code:	Level:	Version: 01
Competency Standard Title: Prepare mold for casting	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/>

	Name of the Assessor: Assessor's code: Signature of the Assessor:.....
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Title of Qualification: Continuous casting machine (CCM) operator	CS Code: 	Level: 	Version: 01
Competency Standard Title: Prepare mold for casting	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. What are the types of Moulding?	Injection molding, Blow Molding
2. What is difference between casting and Moulding?	Molding or Mold making is the act of creating the cavity / form that carries a negative or reverse impression of an original model. ... Casting is the act of pouring liquid material into the cavity of a mold.
3. What are the types of casting?	Sand casting . Die casting . Low pressure casting .. Gravity die casting .
4. Why do we use casting process?	Advantages of casting process: Molten metal flows into small ant section in the molten cavity. Hence any complex shape can be easily produced. ...
5. What kind of molds are used in casting?	Types of Casting Molds Vacuum Form. Vacuum forming can create many thin, weak molds in a short period of time. ... Permanent Mold. Permanent molds are often made of steel, iron, silicone or urethane. ... Die Casting. Die casting is the preferred method for creating many small castings.
6.	
7.	

Question	Candidate's answer
8.	
9.	