

Assessment Evidence Guide

For

“Dies and Mould Technology”

Level-5

Design Dies
(Formative Assessment)

1st -5th March 2021



**National Vocational & Technical
Training Commission**

Title of Qualification: National Vocational Certificate Level 5, in (Dies and Mould Technology) "Associate Engineer"	CS Code:	Level: 5	Version: 01
Competency Standard Title: Design Dies	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 design Piercing Die of product assign by assessor, using CAD software.</p> <p>Assessment Task 2: Candidate is required to design Blanking Die of product assign by assessor, using CAD software.</p> <p>Assessment Task 3: Candidate is required to design Forming Die of product assign by assessor, using CAD software.</p> <p>And complete:</p> <ol style="list-style-type: none"> Knowledge assessment test (Written or Oral) 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> <p>Performance Criteria 1: Prepare a 3D Model for Piercing Die and detailed drawings of required workpiece</p> <p>Performance Criteria 2: Prepare a conceptual Design of Piercing Die as per size of the press machine</p> <p>Performance Criteria 3: Prepare 3D part and assembly modelling of all components of Piercing Die according to conceptual design</p> <p>Performance Criteria 4: Prepare 2D assembly drawings and detailed drawings of all components of Piercing Die</p> <p>Performance Criteria 5: Prepare a Bill of Quantity (BOQ) of all components of Piercing Die as per final design</p> <p>Assessment Task 2</p> <p>Performance Criteria 1: Prepare a 3D Model for Blanking Die and detailed drawings of required workpiece</p> <p>Performance Criteria 2: Prepare a conceptual Design of Blanking Die as per size of the press machine</p> <p>Performance Criteria 3: Prepare 3D part and assembly modelling of all components of Blanking Die according to conceptual design</p> <p>Performance Criteria 4: Prepare 2D assembly drawings and detailed drawings of all components of Blanking Die</p> <p>Performance Criteria 5: Prepare a Bill of Quantity (BOQ) of all components of Blanking Die as per final design</p>

	<p>Assessment Task 3</p> <p>Performance Criteria 1: Prepare a 3D Model for Forming Die and detailed drawings of required workpiece</p> <p>Performance Criteria 2: Prepare a conceptual Design of Forming Die as per size of the press machine</p> <p>Performance Criteria 3: Prepare 3D part and assembly modelling of all components of Forming Die according to conceptual design</p> <p>Performance Criteria 4: Prepare 2D assembly drawings and detailed drawings of all components of Forming Die</p> <p>Performance Criteria 5: Prepare a Bill of Quantity (BOQ) of all components of Forming Die as per final design</p>
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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 Candidate is required to design Piercing Die of product assign by assessor, using CAD software.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Prepare a 3D Model for Piercing Die and detailed drawings of required workpiece			
2.	Prepare a conceptual Design of Piercing Die as per size of the press machine			
3.	Prepare 3D part and assembly modelling of all components of Piercing Die according to conceptual design			
4.	Prepare 2D assembly drawings and detailed drawings of all components of Piercing Die			
5.	Prepare a Bill of Quantity (BOQ) of all components of Piercing Die as per final design			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Candidate is required to design Blanking Die of product assign by assessor, using CAD software.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Prepare a 3D Model for Blanking Die and detailed drawings of required workpiece			
2.	Prepare a conceptual Design of Blanking Die as per size of the press machine			
3.	Prepare 3D part and assembly modelling of all components of Blanking Die according to conceptual design			
4.	Prepare 2D assembly drawings and detailed drawings of all components of Blanking Die			
5.	Prepare a Bill of Quantity (BOQ) of all components of Blanking Die as per final design			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Candidate is required to design Forming Die of product assign by assessor, using CAD software.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Prepare a 3D Model for Forming Die and detailed drawings of required workpiece			
2.	Prepare a conceptual Design of Forming Die as per size of the press machine			
3.	Prepare 3D part and assembly modelling of all components of Forming Die according to conceptual design			
4.	Prepare 2D assembly drawings and detailed drawings of all components of Forming Die			
5.	Prepare a Bill of Quantity (BOQ) of all components of Forming Die as per final design			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		