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# DIES AND MOULDS MAKER



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**ASSESSMENT PACKAGE**  
National Vocational Certificate Level 4

Version 1 - August, 2019



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**Document Version**

August, 2019

**Islamabad, Pakistan**

# DIES AND MOULDS MAKER



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**ASSESSMENT PACKAGE**  
National Vocational Certificate Level 4

**Version 1 - August, 2019**

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<b>Title of Qualification:</b> National Vocational Certificate In Dies and Mold Maker	CS Code: 071500975	Level: 4	Version:
<b>Competency Standard Title:</b> Finalize Dies and Molds	<b>Assessment Date (DD/MM/YY):</b>		

Guidance for Candidate	<b>To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.</b>
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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:.....

<b>Title of Qualification:</b> Dies and Molds maker	CS Code:	Level: 4	Version:
<b>Competency Standard Title:</b> Finalize Dies and Molds	<b>Assessment Date (DD/MM/YY):</b>		

### WRITTEN ASSESSMENT

Question	Candidate's answer
1. Define the Engineering drawing	It is the graphical language to provide the shape, size & dimensions.
2. Enlist the 5 names of main die component with material	Punch with HcHcr (2%carbon & 12%cromium 60HRC) / K100 Die with HcHcr (2%carbon & 12%cromium 60HRC) / K100 Striper plate M.S/ carbon steel Pillar High carbon steel /Medium alloyed steel Bush High carbon steel /Medium alloyed steel
3. Write down the name of polishing material.	Emery paper range 600-2000 Diamond paste Abrasive (emery paste)
4. Write down the name of polishing tools & equipment	Wooden stick Brass stick Pneumatic hand tools with rotary files & diamond files
5. Define the parting line	It is the separation line of punch and cavity.



<b>Title of Qualification:</b> Dies and Molds maker	CS Code:	Level: 4	Version:
<b>Competency Standard Title:</b> Fabricate a die	<b>Assessment Date (DD/MM/YY):</b>		

### WRITTEN ASSESSMENT

Question	Candidate's answer								
6. As the thickness of sheet is increased the clearance needed will also?	<b>a) Increase</b> b) Decrease c) No effect d) First decrease then increase								
7. Write down the shearing strength of these materials such as Aluminium, Brass, Low carbon steel?	<table border="1"> <thead> <tr> <th>Aluminum</th> <th>Brass</th> <th>Low Carbon Steel</th> <th>Stainless Steel</th> </tr> </thead> <tbody> <tr> <td>0.1724</td> <td>0.2413</td> <td>0.3447</td> <td>0.5171</td> </tr> </tbody> </table>	Aluminum	Brass	Low Carbon Steel	Stainless Steel	0.1724	0.2413	0.3447	0.5171
Aluminum	Brass	Low Carbon Steel	Stainless Steel						
0.1724	0.2413	0.3447	0.5171						
8. Write down the formula of cutting force w.r.t die?	$\text{Cutting/Punching Force (KN)} = \text{Perimeter(mm)} * \text{Plate Thickness(mm)} * \text{Shear Strength(kn/mm}^2 \text{)}$								
9. Enlist the 3 different types of mechanical press?	Eccentric press C-Type Hydraulic press servo, and pneumatic								
10. What are the disadvantages of small clearance in stamping die?	<ul style="list-style-type: none"> <li>• Secondary shearing occurs</li> <li>• Punching force increases</li> <li>• The life of the mold is shortened</li> </ul>								

<b>Title of Qualification:</b> National Vocational Certificate In Dies and Molds Maker	CS Code: 071500977	Level: 4	Version:
<b>Competency Standard Title:</b> Fabricate a mold	<b>Assessment Date (DD/MM/YY):</b>		

Guidance for Candidate	<b>To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.</b>
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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:.....



<b>Title of Qualification:</b> Dies and molds maker	CS Code:	Level: 4	Version:
<b>Competency Standard Title:</b> Fabricate a mold	<b>Assessment Date (DD/MM/YY):</b>		

### WRITTEN ASSESSMENT

Question	Candidate's answer
11. Write down the 5 names of mold parts?	Punch, Cavity Sprue bush Ejectors Push Back Guide Pillars Guide Bushes
12. How to inspect the mold plates (3 points)	Parallelism (0.02mm), angle of sides, required dimensions with tolerance
13. Enlist the 5 types of machines used to manufacture the mold?	EDM CNC milling CNC Lathe Surface grinder Cylindrical grinder
14. What will the angle difference b/w inclined pillar and heal block?	5 degree w.r.t heel block
15. Define the purpose of ejector return mechanism in mold?	To return the ejector system and safe the cavity from ejector marks

<b>Title of Qualification:</b> National Vocational Certificate In Dies and Molds Maker	CS Code: 071500978	Level: 4	Version:
<b>Competency Standard Title:</b> Carryout maintenance of dies & molds	<b>Assessment Date (DD/MM/YY):</b>		

Guidance for Candidate	<b>To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.</b>
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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:.....

<b>Title of Qualification:</b> Dies and Molds maker	CS Code:	Level: 4	Version:
<b>Competency Standard Title:</b> Carryout maintenance of dies & molds	<b>Assessment Date (DD/MM/YY):</b>		

**WRITTEN ASSESSMENT**

<b>Question</b>	<b>Candidate's answer</b>
16. <b>Benefits of Good Housekeeping is</b>	a) Eliminates accident and fire hazards b) Maintains safe, healthy work conditions c) Saves time, money, materials, space, and effort. <b>d) All of above</b>
17. <b>What is the first action that must be taken in case of emergency?</b>	a. Assess seriousness of an injury <b>b. Press the emergency stop button</b> c. Call a qualified first aider d. inform the shop supervisor
18. <b>Maintenance consist of the following action(s)</b>	a. Replace of component b. Repair of components c. Service of components d. All of the above
19. <b>A systematic approach for maintenance is</b>	<b>a) Problem – Cause – Diagnosis – Rectification</b> b) Problem– Diagnosis – Cause – Rectification c) Problem – Measure – Diagnosis – Rectification d) Problem– Diagnosis – Measure – Rectification
20. <b>The following is not a classification of maintenance</b>	a) Corrective maintenance <b>b) Timely maintenance</b> c) Scheduled maintenance d) Preventive maintenance



<b>Title of Qualification:</b> Dies and Molds maker	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Integrated assessment guide Lev-4	<b>Assessment Date (DD/MM/YY):</b>		

### WRITTEN ASSESSMENT

Question	Candidate's answer
21. Sketch the assembly view of single cavity mold	
22. Enlist the different types of gates in injection mold?	<ul style="list-style-type: none"> <li>• Sprue gate</li> <li>• Side gate</li> <li>• Fan gate</li> <li>• Tunnel gate</li> </ul>
23. As the thickness of sheet is increased the clearance needed will also?	<p><b>a) Increase</b>  b) Decrease  c) No effect  d) First decrease then increase</p>
24. A systematic approach for maintenance is	<p><b>a) Problem – Cause – Diagnosis – Rectification</b>  b) Problem– Diagnosis – Cause – Rectification  c) Problem – Measure – Diagnosis – Rectification  d) Problem– Diagnosis – Measure – Rectification</p>
25. <b>Benefits of Good Housekeeping is</b>	<p>b) Eliminates accident and fire hazards  c) Maintains safe, healthy work conditions  d) Saves time, money, materials, space, and effort.  <b>e) All of above</b></p>
26. Write down the name of polishing tools & equipment	<ul style="list-style-type: none"> <li>• Diprofile</li> <li>• Ceramic stick</li> <li>• Brass stick</li> <li>• Pneumatic hand tools with rotary files &amp; diamond files</li> </ul>

<b>Title of Qualification:</b> National Vocational Certificate In Dies and Mold Maker	CS Code: 071500975	Level: 4	Version:
<b>Competency Standard Title:</b> Finalize Dies and Molds	<b>Assessment Date (DD/MM/YY):</b>		

Candidate Details	Name: .....  Registration/Roll Number: .....
Guidance for Candidate	<b>To meet this standard, you are required to complete the following task within 03 hours: (for practical demonstration &amp; assessment):</b> <ol style="list-style-type: none"> <li>1. <b>Assessment Task 1:</b> Assemble and disassemble the provided simple Die &amp; Mold</li> </ol> <b>And complete:</b> <ol style="list-style-type: none"> <li>2. <b>Knowledge assessment test (Written or Oral)</b></li> <li>3. <b>Portfolios at the time of assessment (if any)</b></li> </ol>
Minimum Evidence Required	<b>During a practical assessment, under observation by an assessor, you will complete:</b> <b>Assessment Task 1:</b> Assemble and disassemble the provided simple Die & Mold Performance Criteria 1: Arrange assembly & disassembly tools according to the D&M elements. Performance Criteria 2: Check the dimensions punch & die/cavity components as per drawing. Performance Criteria 3: Match the punch & die components as per drawing. Performance Criteria 4: Assemble the all components as per SOP. Performance Criteria 5: Close the both halves of mold & Die.  <b>Portfolios required at the time of assessment (if any) for</b> Performance criteria 1: Require all the dies & molds manufactured during training.

*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	
	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Nature of Activity							
Practical Skill Demonstration			✓				
Knowledge Assessment	✓	✓					
Other Requirement				✓			

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 Assemble and disassemble the provided simple Die & Mold		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Arranged assembly & disassembly tools according to the D&M elements.			
2	Performance Criteria 2: Checked the dimensions punch & die/cavity components as per drawing.			
3	Performance Criteria 3: Matched the punch & die components as per drawing.			
4	Performance Criteria 4: Assembled the all components as per SOP.			
5	Performance Criteria 5: Closed the both halves of mold & die.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio (if any)		Description of portfolio All manufactured Dies & Molds			
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>	Authentic <input type="checkbox"/>	Valid <input type="checkbox"/>	Reliable <input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks	
1	Performance criteria 1: Used all the required die & mold manufactured during training.				
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			



<b>Title of Qualification:</b> National Vocational Certificate In Dies and Mold Maker	CS Code: 071500976	Level: 4	Version:
<b>Competency Standard Title:</b> Fabricate a die	<b>Assessment Date (DD/MM/YY):</b>		

Candidate Details	Name: .....  Registration/Roll Number: .....
Guidance for Candidate	<p><b>To meet this standard, you are required to complete the following Task within 03 Hours: (for practical demonstration &amp; assessment):</b></p> <ul style="list-style-type: none"> <li><b>Assessment Task 1:</b> Assemble a simple die as per (Annexure A) given drawing/design.</li> </ul> <p><b>And complete:</b></p> <ol style="list-style-type: none"> <li><b>Knowledge assessment test (Written or Oral)</b></li> <li><b>Portfolios at the time of assessment (if any)</b></li> </ol>
Minimum Evidence Required	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 1:</b> Assemble a simple die as per (Annexure A) given drawing/design.</p> <p>Performance Criteria 1: Interpret die drawings as per drawing standard</p> <p>Performance Criteria 2: Check already machined (during training) components as per drawing.</p> <p>Performance Criteria 3: Assemble all the die components as per standard.</p> <p>Performance Criteria 4: Take out sample on screw/mechanical press as per standard.</p> <p>Performance Criteria 5: Inspect the sample according to the specifications.</p> <p>Performance Criteria 6: Maintain housekeeping after completion of task</p> <hr/> <p><b>Portfolios required at the time of assessment (if any) for</b></p> <p>Performance criteria 1: Required all the components of Die as per drawing manufactured during training.</p>

*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)

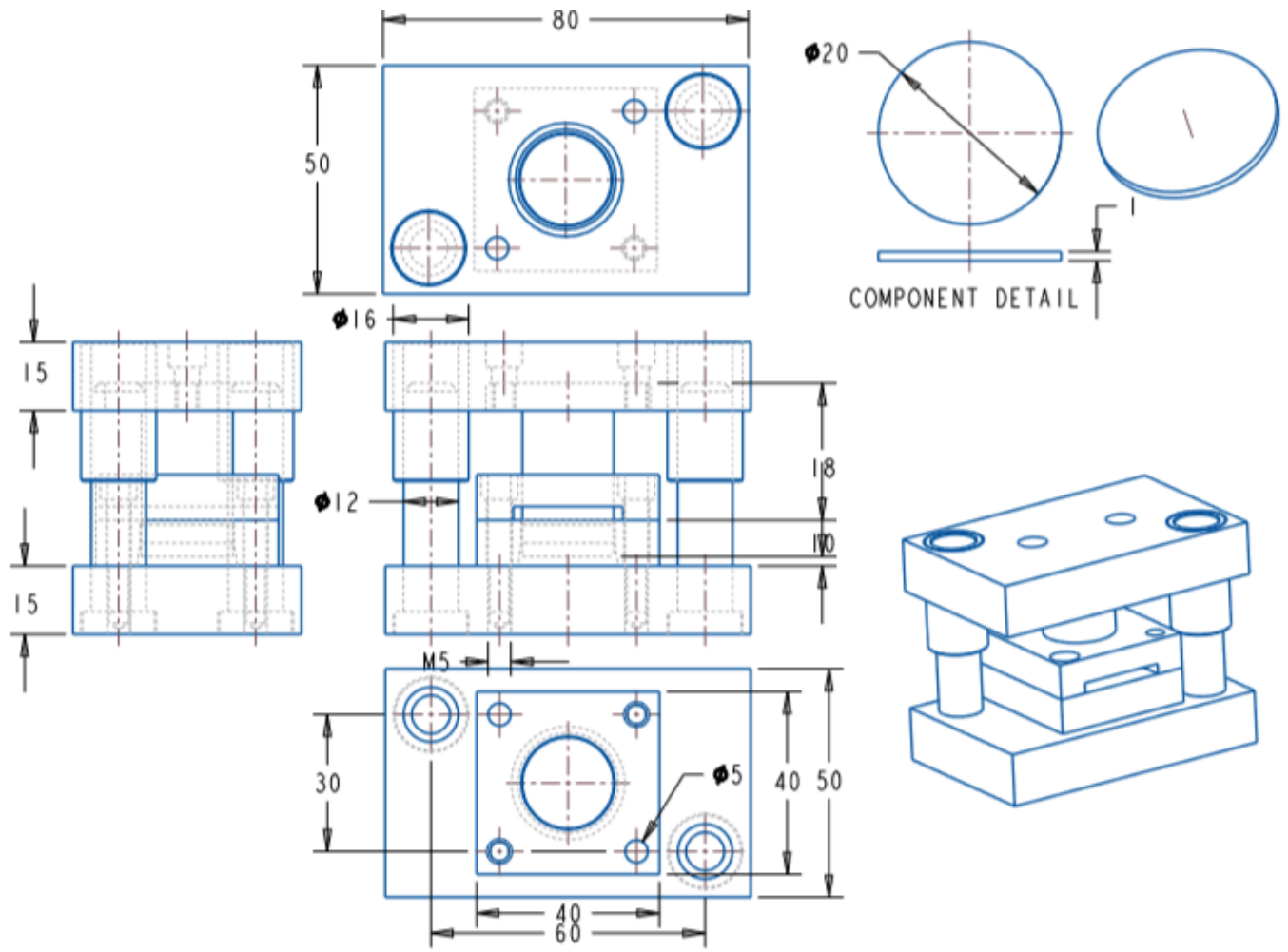
Candidate Details	Name: ..... Registration/Roll Number: ..... Candidate Signature:.....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: ..... Assessor's code: ..... Signature of the Assessor:.....

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Nature of Activity							
Practical Skill Demonstration			✓				
Knowledge Assessment	✓	✓					
Other Requirement				✓			

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 Assemble a simple die as per (Annexure A) given drawing/design.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpreted die drawings as per drawing standard			
2	Performance Criteria 2: Checked already machined (during training) components as per drawing.			
3	Performance Criteria 3: Assembled all the die components as per standard.			
4	Performance Criteria 4: Taken out sample on screw press as per standard.			
5	Performance Criteria 5: Inspected the sample according to the specifications.			
6	Performance Criteria 6: Maintained housekeeping after completion of task			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio (if any)		Description of portfolio Machined parts/component of Die		
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>		Authentic <input type="checkbox"/>
		Valid <input type="checkbox"/>		Reliable <input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks
1	Performance criteria 1: Required all the components of die as per drawing manufactured during training.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

# Annexure A



<b>Title of Qualification:</b> National Vocational Certificate In Dies and Molds Maker	CS Code: 071500977	Level: 4	Version:
<b>Competency Standard Title:</b> Fabricate a mold	<b>Assessment Date (DD/MM/YY):</b>		

Candidate Details	Name: ..... Registration/Roll Number: .....
Guidance for Candidate	<p><b>To meet this standard, you are required to complete the following Task within 03 Hours: (for practical demonstration &amp; assessment):</b></p> <p><b>Assessment Task 1:</b> Assemble a simple mold as per (Annexure A)given drawing/design</p> <p><b>And complete:</b></p> <ol style="list-style-type: none"> <li>1. Knowledge assessment test (Written or Oral)</li> <li>2. Portfolios at the time of assessment (if any)</li> </ol>
Minimum Evidence Required	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 1:</b> Assemble a simple mold as per (Annexure A)given drawing/design</p> <p>Performance Criteria 1: Interpret mold drawings as per drawing standard</p> <p>Performance Criteria 2: Check already machined (during training) components as per drawing.</p> <p>Performance Criteria 3: Assemble all the mold components as per standard.</p> <p>Performance Criteria 4: Take out sample on injection molding machine in as per standard.</p> <p>Performance Criteria 5: Inspect the sample according to the specifications.</p> <p>Performance Criteria 6: Maintain housekeeping after completion of task</p> <p><b>Portfolios required at the time of assessment (if any) for</b></p> <p>Required all the components of mold as per drawing manufactured during training.</p>

*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)

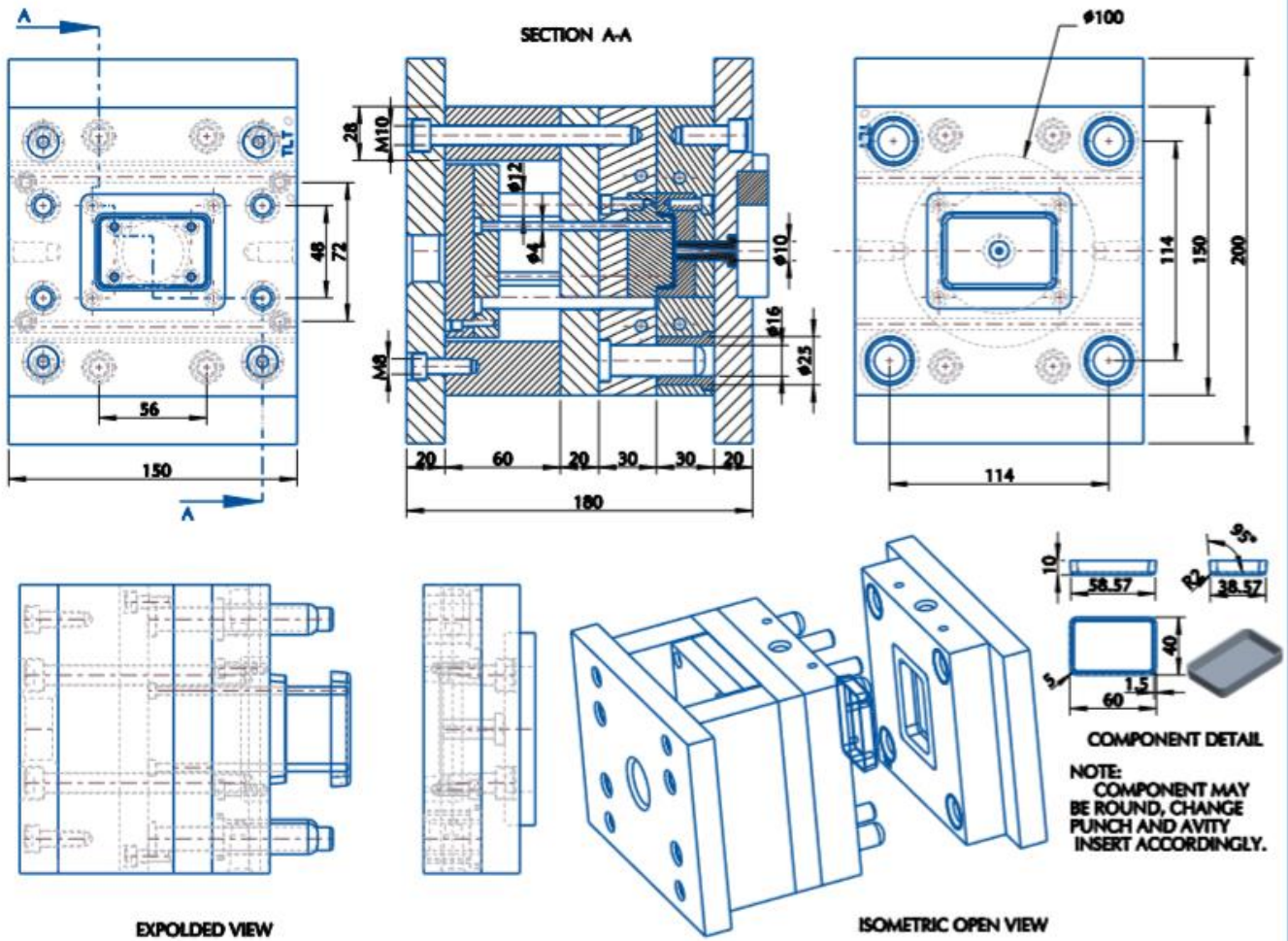
Candidate Details	Name: ..... Registration/Roll Number: ..... Candidate Signature:.....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: ..... Assessor's code: ..... Signature of the Assessor:.....

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Nature of Activity							
Practical Skill Demonstration			✓				
Knowledge Assessment	✓	✓					
Other Requirement				✓			

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 Assemble a simple mold as per (Annexure A)given drawing/design		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpreted mold drawings as per drawing standard			
2	Performance Criteria 2: Checked already machined (during training) components as per drawing.			
3	Performance Criteria 3: Assembled all the mold components as per standard.			
4	Performance Criteria 4: Taken out sample on injection molding machine in as per standard.			
5	Performance Criteria 5: Inspected the sample according to the specifications.			
6	Performance Criteria 6: Maintained housekeeping after completion of task			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio (if any)		Description of portfolio Machined parts/component of mold			
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>	Authentic <input type="checkbox"/>	Valid <input type="checkbox"/>	Reliable <input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks	
1	Performance criteria 1: Required all the components of mold as per drawing manufactured during training.				
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

# Annexure A







<b>Title of Qualification:</b> National Vocational Certificate In Dies and Molds Maker	CS Code: 071500978	Level: 4	Version:
<b>Competency Standard Title:</b> Carryout maintenance of dies and molds	<b>Assessment Date (DD/MM/YY):</b>		

Candidate Details	Name: .....  Registration/Roll Number: .....
Guidance for Candidate	<p><b>To meet this standard, you are required to complete the following Task within 02 Hours: (for practical demonstration &amp; assessment):</b></p> <ol style="list-style-type: none"> <li><b>Assessment Task 1:</b> Perform routine/preventive maintenance as per the assessor instructions</li> </ol> <p><b>And complete:</b></p> <ol style="list-style-type: none"> <li><b>Knowledge assessment test (Written or Oral)</b></li> <li><b>Portfolios at the time of assessment (if any)</b></li> </ol>
Minimum Evidence Required	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 1:</b> Perform routine/preventive maintenance as per the assessor instructions</p> <p>Performance Criteria 1: Apply health &amp; safety standard procedure</p> <p>Performance Criteria 2: Collect tools, equipment and consumables before initiating routine Maintenance on Dies &amp; Molds</p> <p>Performance Criteria 3: Check the guiding system as per SOP.</p> <p>Performance Criteria 4: Check the ejector mechanism as per SOP.</p> <p>Performance Criteria 5: Check the cooling system as per SOP.</p> <p>Performance Criteria 6: Replace worn out component as per SOPs</p> <p>Performance Criteria 7: Maintain housekeeping after completion of task.</p> <p><b>Portfolios required at the time of assessment (if any) for</b></p> <p>Performance criteria 1: Provide the check list of preventive maintenance.</p> <p>Performance criteria 2: Provide the break down maintenance reports.</p>

*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	
	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Nature of Activity							
Practical Skill Demonstration			✓				
Knowledge Assessment	✓	✓					
Other Requirement				✓			

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 Perform routine/preventive maintenance as per the assessor instructions		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Applied health & safety standard procedure			
2	Performance Criteria 2: Collected tools, equipment and consumables before initiating routine Maintenance on Dies & Mold.			
3	Performance Criteria 3: Checked the guiding system as per SOP.			
4	Performance Criteria 4: Checked the ejector mechanism as per SOP.			
5	Performance Criteria 5: Checked the cooling system as per SOP.			
6	Performance Criteria 6: Replaced worn out component as per SOPs			
7	Performance Criteria 7: Maintained housekeeping after completion of task.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio (if any)		Description of portfolio A: Check list/ preventive maintenance/Routine log book B: Any graphical evidence / the break down maintenance reports/Log book/ Routine log book		
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>		Authentic <input type="checkbox"/>
		Valid <input type="checkbox"/>		Reliable <input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks
1	Performance criteria 1: Provided the check list of preventive maintenance. Performance criteria 2: Provided the break down maintenance reports.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Title of Qualification:</b> National Vocational Certificate level 4, In Dies and Mold Maker	CS Code:	Level: 4	Version: 1
<b>Competency Standard Title:</b> <b>Integrated Assessment Level-4</b>	<b>Assessment Date (DD/MM/YY):</b>		

Candidate Details	Name: .....  Registration/Roll Number: .....
Guidance for Candidate	<p><b>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration &amp; assessment):</b></p> <p>6. <b>Assessment Task 1:</b> Perform assemble and disassemble the provided simple Die &amp; Mold <b>OR</b></p> <p>7. <b>Assessment Task 2:</b> Dismantle the ejector mechanism of mold as per SOP.</p> <p>8. <b>Assessment Task 3:</b> Assemble the striper mechanism as per SOP.</p> <p><b>And complete:</b></p> <p>9. <b>Knowledge assessment test (Written or Oral)</b></p> <p>10. <b>Portfolios at the time of assessment (if any)</b></p>
Minimum Evidence Required	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 1:</b> Perform assemble and disassemble the provided simple Die &amp; Mold</p> <p>Performance Criteria 1: Apply relevant health and safety requirements during completion of task</p> <p>Performance Criteria 2: Interpret the given drawing</p> <p>Performance Criteria 3: Arrange assembly &amp; disassembly tools according to the D&amp;M elements.</p> <p>Performance Criteria 4: Check the dimensions punch &amp; die/cavity components as per drawing.</p> <p>Performance Criteria 5: Match the punch &amp; die components as per drawing.</p> <p>Performance Criteria 6: Assemble the all components as per SOP.</p> <p>Performance Criteria 7: Close the both halves of mold &amp; Die.</p> <p>Performance Criteria 8: Maintain housekeeping after completion of task</p> <hr/> <p><b>Assessment Task 2:</b> Dismantle the ejector mechanism of mold as per SOP.</p> <p>Performance Criteria 1: Apply relevant health and safety requirements during completion of task</p> <p>Performance Criteria 2: Arrange assembly &amp; disassembly tools according to the Mold elements.</p> <p>Performance Criteria 3: Use the right tools to dismantle ejector mechanism.</p> <p>Performance Criteria 4: Follow sequence of dismantling ejector mechanism.</p> <p>Performance Criteria 5: Maintain housekeeping after completion of task.</p>

	<p><b>Assessment Task 3:</b> Assemble the striper mechanism of die as per SOP.</p> <p>Performance Criteria 1: Apply relevant health and safety requirements during completion of task</p> <p>Performance Criteria 2: Arrange assembly tools according to the die elements.</p> <p>Performance Criteria 3: Fix the striper plate as per die design.</p> <p>Performance Criteria 4: Verify the striper plate mechanism as per SOP.</p> <p>Performance Criteria 5: Maintain housekeeping after completion of task.</p>
	<p><b>Portfolios required at the time of assessment (if any) for</b></p> <p>Performance criteria 1 for the evaluation of portfolio: Submit record of all completed formative assessment. He/she must be competent in all formative assessments.</p>

*Continued on following page*



Each Assessment Task (with performance criteria)

Assessment Task 1

Description of assessment task 1

Perform assemble and disassemble the provided simple Die & Mold

During the practical assessment, candidate demonstrated the following:

Yes

No

Remarks

1

Performance Criteria 1: Applied relevant health and safety requirements during completion of task

2

Performance Criteria 2: Interpreted the given drawing

3

Performance Criteria 3: Arranged assembly & disassembly tools according to the D&M elements.

4

Performance Criteria 4: Checked the dimensions punch & die/cavity components as per drawing.

5

Performance Criteria 5: Matched the punch & die components as per drawing.

6

Performance Criteria 6: Assembled the all components as per SOP.

7

Performance Criteria 7: Closed the both halves of mold & Die.



8	Performance Criteria 8: Maintained housekeeping after completion of task			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Dismantle the ejector mechanism of mold as per SOP		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Applied relevant health and safety requirements during completion of task			
2	Performance Criteria 2: Arranged assembly & disassembly tools according to the Mold elements.			
3	Performance Criteria 3: Used the right tools to dismantle ejector mechanism.			
4	Performance Criteria 4: Followed sequence of dismantling ejector mechanism			
5	Performance Criteria 5: Maintained housekeeping after completion of task.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Assemble the striper mechanism of die as per SOP		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Applied relevant health and safety requirements during completion of task			
2	Performance Criteria 2: Arranged assembly tools according to the die elements.			
3	Performance Criteria 3: Fixed the striper plate as per die design.			
	Performance Criteria 4: Verified the striper plate mechanism as per SOP.			
4	Performance Criteria 5: Maintained housekeeping after completion of task.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio (if any)		Description of portfolio All Modular portfolios		
Current <input type="checkbox"/>		Sufficient <input type="checkbox"/>		Authentic <input type="checkbox"/>
		Valid <input type="checkbox"/>		Reliable <input type="checkbox"/>
Portfolio meet the following performance standards:		Yes	No	Remarks
1	Performance criteria 1 for the evaluation of portfolio: Submitted record of all completed formative assessment. He/she must be competent in all formative assessments.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

