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# PLASTIC PROCESSOR



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**ASSESSMENT PACKAGE**  
National Vocational Certificate Level 2

Version 1 - September, 2018



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**Document Version**

September, 2018  
Islamabad, Pakistan

# PLASTIC PROCESSOR



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**ASSESSMENT PACKAGE**  
National Vocational Certificate Level 2

Version 1 - September, 2018

<b>Title of Qualification:</b> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Arrange Raw Material for Processing	<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> National Vocational Certificate In Plastic Processor	CS Code:    Level: 2	Version:
<b>Competency Standard Title:</b> Arrange Raw Material for Processing	<b>Assessment Date (DD/MM/YY):</b>	

**WRITTEN ASSESSMENT**

Question	Candidate's answer
1. What is the difference between thermoset and thermoplastic?	Thermoplastics can be re-melted and re-moulded; making them re-usable, unlike thermosets.
2. What is the difference between Engineering plastic and Commodity plastic?	Engineering plastics are high performing plastics, having better mechanical properties. They are also more expensive and are typically processed at higher temperatures.
3. One inch is equivalent to how many millimetre?	a) 20 mm   b) 24.5mm c) 25.0mm <b>d) 25.4mm</b>
4. Why do plastics need to be dried before processing?	To remove moisture which gets absorbed in polymers over time.
5. Are pigments and masterbatches the same thing?	No.
6. Are crushing and re-granulating the same thing?	No.
7. What's the equivalent of 1Kg in pounds?	2.2lbs

<b>Title of Qualification:</b> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Produce Injection Moulded Plastic Parts	<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> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Produce Injection Moulded Plastic Parts	<b>Assessment Date (DD/MM/YY):</b>		

**WRITTEN ASSESSMENT**

Question	Candidate's answer
8. What are the most important things to note down from a Work Order / Job Card?	Information about component to be produced. Quantity of production. Raw Material to be used. Tool and machine to be used.
9. Unit of injection speed is?	Cm <sup>3</sup> /s
10. Name two commonly occurring injection molding defects	Jetting, flashing
11. Why should we use mould lubricant?	To ensure smooth ejection of product from mould
12. What is the easiest way to identify an injection Moulding machine's max. processing capacity?	Max. Clamping force.

<b>Title of Qualification:</b> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Produce Pipe Through Extrusion Moulding Machine	<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> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	
<b>Competency Standard Title:</b> Produce Pipe Through Extrusion Moulding Machine	<b>Assessment Date (DD/MM/YY):</b>		

**WRITTEN ASSESSMENT**

Question	Candidate's answer
13. What are the most important things to note down from a Work Order / Job Card?	Information about component to be produced. Quantity of production. Raw Material to be used. Tool and machine to be used.
14. Thickness of pipe is controlled by what parameters?	Extrusion speed and haul off speed ratio
15. Name two commonly occurring extrusion molding defects	Eccentric wall thickness, Burn lines.
16. Why is it important to know which standard is being followed for production?	Each standard has different pipe dimensions.
17. Name two defects in pipes which may not be visually identified.	Methylene-Chloride Test, burst test, etc.



<b>Title of Qualification:</b> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Produce Blow Moulded Parts	<b>Assessment Date (DD/MM/YY):</b>		

**WRITTEN ASSESSMENT**

<b>Question</b>	<b>Candidate's answer</b>
18. What are the most important things to note down from a Work Order / Job Card?	Information about component to be produced. Quantity of production. Raw Material to be used. Tool and machine to be used.
19. Thickness of parison is controlled by what parameters?	Extrusion speed
20. Name two commonly occurring blow moulding defects	Flashing, drooling, etc.
21. What do you mean by cavity?	The hollow part inside a mould where the product takes shape.
22. In blow Moulding, to inflate soft plastic, which medium is used?	Air.

<b>Title of Qualification:</b> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Produce Compression Moulded Plastic Parts	<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> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Produce Compression Moulded Plastic Parts	<b>Assessment Date (DD/MM/YY):</b>		

### WRITTEN ASSESSMENT

Question	Candidate's answer
23. What are the most important things to note down from a Work Order / Job Card?	Information about component to be produced. Quantity of production. Raw Material to be used. Tool and machine to be used.
24. Is compression Moulding an expensive equipment?	Not usually.
25. Name two commonly occurring blow moulding defects	Flashing, pin-holes, etc.
26. What kind of metal brushes should be used for cleaning of mould cavities?	Brass.
27. Shot weight can be easily calculated by?	Weight of the product.



<b>Title of Qualification:</b> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Integrated Assessment Lev-2	<b>Assessment Date (DD/MM/YY):</b>		

### WRITTEN ASSESSMENT

Question	Candidate's answer
28. What is the difference between thermoset and thermoplastic?	Thermoplastics can be re-melted and re-moulded; making them re-usable, unlike thermosets.
29. What is the difference between Engineering plastic and Commodity plastic?	Engineering plastics are high performing plastics, having better mechanical properties. They are also more expensive and are typically processed at higher temperatures.
30. Why do plastics need to be dried before processing?	To remove moisture which gets absorbed in polymers over time.
31. Unit of injection speed is?	$\text{Cm}^3/\text{s}$
5. Why should we use mould lubricant?	To ensure smooth ejection of product from mould
6. Thickness of pipe is controlled by what parameters?	Extrusion speed and haul off speed ratio
7. Name two defects in pipes which may not be visually identified.	Methylene-Chloride Test, burst test, etc.
8. Thickness of parison is controlled by what parameters?	Extrusion speed

Question	Candidate's answer
9. In blow Moulding, to inflate soft plastic, which medium is used?	Air
10. What kind of metal brushes should be used for cleaning of mould cavities?	Brass.
11. Shot weight can be easily calculated by?	Weight of the product.



<b>Title of Qualification:</b> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Integrated Assessment Lev-2	<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> National Vocational Certificate In Plastic Processor	CS Code:	Level: 2	Version:
<b>Competency Standard Title:</b> Integrated Assessment Lev-2	<b>Assessment Date (DD/MM/YY):</b>		

### WRITTEN ASSESSMENT

Question	Candidate's answer
32. What is the difference between thermoset and thermoplastic?	Thermoplastics can be re-melted and re-moulded; making them re-usable, unlike thermosets.
33. What is the difference between Engineering plastic and Commodity plastic?	Engineering plastics are high performing plastics, having better mechanical properties. They are also more expensive and are typically processed at higher temperatures.
34. Why do plastics need to be dried before processing?	To remove moisture which gets absorbed in polymers over time.
35. Unit of injection speed is?	Cm <sup>3</sup> /s
6. Why should we use mould lubricant?	To ensure smooth ejection of product from mould
12. Thickness of pipe is controlled by what parameters?	Extrusion speed and haul off speed ratio
13. Name two defects in pipes which may not be visually identified.	Methylene-Chloride Test, burst test, etc.
14. Thickness of parison is controlled by what parameters?	Extrusion speed

Question	Candidate's answer
15. In blow Moulding, to inflate soft plastic, which medium is used?	Air
16. What kind of metal brushes should be used for cleaning of mould cavities?	Brass.
17. Shot weight can be easily calculated by?	Weight of the product.

<b>Title of Qualification:</b> National Vocational Certificate in Plastic Processor	CS Code: 072200910	Level: 2	Version:
<b>Competency Standard Title:</b> Module 5: Arrange Raw Material for Processing	<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 3 hour time frame (for practical demonstration &amp; assessment):</b></p> <ol style="list-style-type: none"> <li>1. <b>Assessment Task 1:</b> Obtain Work Order</li> <li>2. <b>Assessment Task 2:</b> Identify components &amp; attachments</li> <li>3. <b>Assessment Task 3:</b> Apply pre-processing procedure</li> </ol> <p><b>And complete:</b></p> <ol style="list-style-type: none"> <li>4. <b>Knowledge assessment test (Written or Oral)</b></li> <li>5. <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></p> <p>Performance Criteria 1: Obtain work order Performance Criteria 2: Verify production quantity available Performance Criteria 3: Ensure raw material available as per work order</p> <p><b>Assessment Task 2</b></p> <p>Performance Criteria 1: Enlist different components Performance Criteria 2: Enlist different attachments</p> <p><b>Assessment Task 3</b></p> <p>Performance Criteria 1: Adapt procedure for coloring as per job card /work order. Performance Criteria 2: Use additives as per requirement Performance Criteria 3: Apply drying of the material as per requirement of job.</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: Interpret Work Order				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Performance criteria 1: Obtain work order						
2	Performance criteria 2: Verify production quantity available						
3	Performance criteria 3: Ensure raw material available as per work order						
Competent <input type="checkbox"/>			Not Yet Competent <input type="checkbox"/>				

Each Assessment Task (with performance criteria)							
Assessment Task 2			Description of assessment task 2: Identify components & attachments				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Performance criteria 1: Enlist different components						
2	Performance criteria 2: Enlist different attachments						
Competent <input type="checkbox"/>			Not Yet Competent <input type="checkbox"/>				

Each Assessment Task (with performance criteria)				
Assessment Task 3		Description of assessment task 3: Apply pre-processing procedure		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Adapt procedure for coloring as per job card /work order.			
2	Performance criteria 2: Use additives as per requirement			
3	Performance criteria 3: Apply drying of the material as per requirement of job.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Title of Qualification:</b> National Vocational Certificate in Plastic Processor	CS Code: 072200911	Level: 2	Version:
<b>Competency Standard Title:</b> Module 6: Produce Injection Moulded Plastic Parts	<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 2 hour time frame (for practical demonstration &amp; assessment):</b></p> <p><b>6. Assessment Task 1:</b> Interpret Work Order  <b>Assessment Task 2:</b> Perform Production  <b>Assessment Task 3:</b> Perform follow-up procedure for machine production  <b>Assessment Task 4:</b> Submit Production report  <b>Assessment Task 5:</b> Transport finished product to concerned department  <b>And complete:</b></p> <p><b>7. Knowledge assessment test (Written or Oral)</b>  <b>8. 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>  Performance Criteria 1: Obtain work order  Performance Criteria 2: Verify production quantity available  Performance Criteria 3: Ensure machine setting for production as per data sheet provided</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 2</b>  Performance Criteria 1: Start machine on auto-cycle  Performance Criteria 2: Perform periodic quality checks as per requirement</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 3</b>  Performance Criteria 1: Ensure product packed in assigned packaging  Performance Criteria 2: Check feed level hopper/bin, etc.  Performance Criteria 3: Ensure machine lubrication as per requirement</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 4</b>  Performance Criteria 1: Record production report as per given format (kg/nos, hours)  Performance Criteria 2: Submit report to concerned department</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 5</b>  Performance Criteria 1: Place finished product in designated area  Performance Criteria 2: Take approval of finished product from Quality Control  Performance Criteria 3: Deliver relevant packaging documents to store personnel</p>

**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: Interpret Work Order				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Performance criteria 1: Obtain work order						
2	Performance criteria 2: Verify production quantity available						
3	Performance criteria 3: Ensure machine setting for production as per data sheet provided						
Competent <input type="checkbox"/>			Not Yet Competent <input type="checkbox"/>				



Each Assessment Task (with performance criteria)				
Assessment Task 2		Description of assessment task 2: Perform Production		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Start machine on auto-cycle			
2	Performance criteria 2: Perform periodic quality checks as per requirement			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 3		Description of assessment task 3: Perform follow-up procedure for machine production		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Ensure product packed in assigned packaging			
2	Performance criteria 2: Check feed level hopper/bin, etc.			
3	Performance criteria 3: Ensure machine lubrication as per requirement			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 4		Description of assessment task 4: Submit Production report		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Record production report as per given format (kg/nos, hours)			
2	Performance criteria 2: Submit report to concerned department			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 5		Description of assessment task 5: Transport finished product to concerned department		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Place finished product in designated area			
2	Performance criteria 2: Take approval of finished product from Quality Control			
3	Performance criteria 3: Deliver relevant packaging documents to store personnel			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Title of Qualification:</b> National Vocational Certificate in Plastic Processor	CS Code: 072200912	Level: 2	Version:
<b>Competency Standard Title:</b> Module 7: Produce Pipe Through Extrusion Moulding Machine	<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 3 hour time frame (for practical demonstration &amp; assessment):</b></p> <p><b>9. Assessment Task 1:</b> Interpret Work Order  <b>10. Assessment Task 2:</b> Start production as per requirement  <b>11. Assessment Task 3:</b> Perform follow up procedure  <b>12. Assessment Task 4:</b> Submit production report  <b>13. Assessment Task 5:</b> Transport finished product</p> <p><b>And complete:</b></p> <p><b>14. Knowledge assessment test (Written or Oral)</b>  <b>15. 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>  Performance Criteria 1: Obtain Work order  Performance Criteria 2: Verify production quantity available  Performance Criteria 3: Ensure raw material as per work order</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 2</b>  Performance Criteria 1: Adjust pipe sizing as per job card  Performance Criteria 2: Fix printer as per job card  Performance Criteria 3: Manage production rate as per machine capacity to achieve standard component</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 3</b>  Performance Criteria 1: Verify pipe length as per order  Performance Criteria 2: Verify pipe standard dimensions and visual inspection  Performance Criteria 3: Generate parameters report according to set format</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 4</b>  Performance Criteria 1: Record machine hours as per format  Performance Criteria 2: Record production (kg/hr) as per format  Performance Criteria 3: Record rejection (kg/no) on set format</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 5</b>  Performance Criteria 1: Ensure finished goods are counted according to organization procedure  Performance Criteria 2: Deliver relevant packaging documents to store personnel</p>

**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: Interpret Work Order				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Performance criteria 1: Obtain Work order						
2	Performance criteria 2: Verify production quantity available						
3	Performance criteria 3: Ensure raw material as per work order						
Competent <input type="checkbox"/>			Not Yet Competent <input type="checkbox"/>				

Each Assessment Task (with performance criteria)				
Assessment Task 2		Description of assessment task 2: Start production as per requirement		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Adjust pipe sizing as per job card			
2	Performance criteria 2: Fix printer as per job card			
3	Performance criteria 3: Manage production rate as per machine capacity to achieve standard component			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 3		Description of assessment task 3: Perform follow up procedure		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Verify pipe length as per order			
2	Performance criteria 2: Verify pipe standard dimensions and visual inspection			
3	Performance criteria 3: Generate parameters report according to set format			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 4		Description of assessment task 4: Submit production report		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Record machine hours as per format			
2	Performance criteria 2: Record production (kg/hr) as per format			
3	Performance criteria 3: Record rejection (kg/no) on set format			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 5		Description of assessment task 5: Transport finished product		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Ensure finished goods are counted according to organization procedure			
2	Performance criteria 2: Deliver relevant packaging documents to store personnel			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Title of Qualification:</b> National Vocational Certificate in Plastic Processor	CS Code: 072200913	Level: 2	Version:
<b>Competency Standard Title:</b> Module 8: Produce Blow Moulded Plastic Parts	<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 3 hour time frame (for practical demonstration &amp; assessment):</b></p> <p><b>16. Assessment Task 1:</b> Interpret Work Order  <b>17. Assessment Task 2:</b> Perform production  <b>18. Assessment Task 3:</b> Perform follow up procedure for machine production  <b>19. Assessment Task 4:</b> Submit production report  <b>20. Assessment Task 5:</b> Transport finished product to concerned department</p> <p><b>And complete:</b></p> <p><b>21. Knowledge assessment test (Written or Oral)</b>  <b>22. 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>  Performance Criteria 1: Obtain work order  Performance Criteria 2: Verify production quantity available  Performance Criteria 3: Ensure raw material available as per work order</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 2</b>  Performance Criteria 1: Set machine on auto-cycle mode as per SOP  Performance Criteria 2: Perform periodic quality checks as per requirement</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 3</b>  Performance Criteria 1: Ensure product packed in assigned packaging  Performance Criteria 2: Check feed level in hopper/bin, etc.  Performance Criteria 3: Ensure machine lubrication as per requirement</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 4</b>  Performance Criteria 1: Record production report as per given format (kg/nos, hours)  Performance Criteria 2: Submit report to concerned department</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 5</b>  Performance Criteria 1: Place finished product in designated area  Performance Criteria 2: Take approval of finished product from Quality Control  Performance Criteria 3: Deliver relevant packaging documents to store personnel</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: Interpret Work Order				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Performance criteria 1: Obtain work order						
2	Performance criteria 2: Verify production quantity available						
3	Performance criteria 3: Ensure raw material available as per work order						
Competent <input type="checkbox"/>			Not Yet Competent <input type="checkbox"/>				



Each Assessment Task (with performance criteria)				
Assessment Task 2		Description of assessment task 2: Perform production		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Set machine on auto-cycle mode as per SOP			
2	Performance criteria 2: Perform periodic quality checks as per requirement			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 3		Description of assessment task 3: Perform follow up procedure for machine production		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Ensure product packed in assigned packaging			
2	Performance criteria 2: Check feed level in hopper/bin, etc.			
3	Performance criteria 3: Ensure machine lubrication as per requirement			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 4		Description of assessment task 4: Submit production report		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Record production report as per given format (kg/nos, hours)			
2	Performance criteria 2: Submit report to concerned department			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 5		Description of assessment task 5: Transport finished product to concerned department		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Place finished product in designated area			
2	Performance criteria 2: Take approval of finished product from Quality Control			
3	Performance criteria 3: Deliver relevant packaging documents to store personnel			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Title of Qualification:</b> National Vocational Certificate in Plastic Processor	CS Code: 072200914	Level: 2	Version:
<b>Competency Standard Title:</b> Module 9: Produce Compression Moulded Plastic Parts	<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 3 hour time frame (for practical demonstration &amp; assessment):</b></p> <p><b>23. Assessment Task 1:</b> Interpret Work Order  <b>24. Assessment Task 2:</b> Perform production  <b>25. Assessment Task 3:</b> Perform follow-up procedure for machine production  <b>26. Assessment Task 4:</b> Submit production report  <b>27. Assessment Task 5:</b> Transport finish product to concerned department</p> <p><b>And complete:</b></p> <p><b>28. Knowledge assessment test (Written or Oral)</b>  <b>29. 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>  Performance Criteria 1: Obtain work order  Performance Criteria 2: Verify production quantity available  Performance Criteria 3: Ensure raw material available as per work order</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 2</b>  Performance Criteria 1: Start machine on auto-cycle mode as per operation manual  Performance Criteria 2: Perform periodic quality check as per requirement</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 3</b>  Performance Criteria 1: Ensure product packed in assigned packaging  Performance Criteria 2: Check feed level in hopper/bin as per requirement  Performance Criteria 3: Ensure machine lubrication as per requirement</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 4</b>  Performance Criteria 1: Record production report as per given format (kg/nos, hours)  Performance Criteria 2: Submit report to concerned department</p>
	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 5</b>  Performance Criteria 1: Place finished product in designated area  Performance Criteria 2: Take approval of finished product from Quality Control  Performance Criteria 3: Deliver relevant packaging documents to store personnel</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	
	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: Interpret Work Order				
During the practical assessment, candidate demonstrated the following:					Yes	No	Remarks
1	Performance criteria 1: Obtain work order						
2	Performance criteria 2: Verify production quantity available						
3	Performance criteria 3: Ensure raw material available as per work order						
Competent <input type="checkbox"/>			Not Yet Competent <input type="checkbox"/>				

Each Assessment Task (with performance criteria)				
Assessment Task 2		Description of assessment task 2: Perform production		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Start machine on auto-cycle mode as per operation manual			
2	Performance criteria 2: Perform periodic quality check as per requirement			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 3		Description of assessment task 3: Perform follow-up procedure for machine production		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Ensure product packed in assigned packaging			
2	Performance criteria 2: Check feed level in hopper/bin as per requirement			
3	Performance criteria 3: Ensure machine lubrication as per requirement			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 4		Description of assessment task 4: Submit production report		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Record production report as per given format (kg/nos, hours)			
2	Performance criteria 2: Submit report to concerned department			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Each Assessment Task (with performance criteria)				
Assessment Task 5		Description of assessment task 5: Transport finish product to concerned department		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance criteria 1: Place finished product in designated area			
2	Performance criteria 2: Take approval of finished product from Quality Control			
3	Performance criteria 3: Deliver relevant packaging documents to store personnel			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Title of Qualification:</b> National Vocational Certificate level 2, In Plastic Processor (0722 PPP 019)	CS Code:	Level: 2	Version: 1
<b>Competency Standard Title:</b> <b>Integrated Assessment Level-2</b>	<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 within the given time frame (4 hours) (for practical demonstration &amp; assessment):</b> <b>30. Assessment Task 1:</b> Produce plastic products on any given plastic moulding machine. <b>And complete:</b> <b>31. Knowledge assessment test (Written or Oral)</b> <b>32. Portfolios at the time of assessment (if any)</b>
/Minimum Evidence Required	<b>During a practical assessment, under observation by an assessor, you will complete:</b> <b>Assessment Task 1:</b> Produce plastic products on any given plastic moulding machine. Performance Criteria 1: Apply relevant health and safety requirements during completion of task Performance Criteria 2: Verify tool, machine, material as per job card Performance Criteria 3: Ensure processing parameters are as per job card Performance Criteria 4: Ensure set processing temperatures are achieved Performance Criteria 5: Perform semi-auto operation producing desired product Performance Criteria 6: Maintain housekeeping after completion of task

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	<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 assessments. S/he must be competent in all formative assessments</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 Produce plastic products on any given plastic moulding machine.		
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: Verify tool, machine, material as per job card			
3	Performance Criteria 3: Ensure processing parameters are as per job card			
4	Performance Criteria 4: Ensure set processing temperatures are achieved			
5	Performance Criteria 5: Perform semi-auto operation producing desired product			
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			
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 assessments. S/he must be competent in all formative assessments.				
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

