







# PLASTIC PROCESSOR



**ASSESSMENT PACKAGE** 

National Vocational Certificate Level 2

Version 1 - September, 2018





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**Document Version** September, 2018 **Islamabad, Pakistan** 

# PLASTIC PROCESSOR



ASSESSMENT PACKAGE National Vocational Certificate Level 2

Version 1 - September, 2018

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

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

Candidate Details	Name:  Candidate Signature:	-
Written Assessment Outcome	COMPETENT   Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT  Assessor's code:

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

Question	Candidate's answer
What is the difference between thermoset and thermoplastic?	Thermoplastics can be re-melted and re-moulded; making them re-unable, unlike thermosets.
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.
One inch is equivalent to how many millimetre?	a) 20 mm b) 24.5mm c) 25.0mm <b>d) 25.4mm</b>
Why do plastics need to be dried before processing?	To remove moisture which gets absorbed in polymers over time.
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

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

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

Candidate Details	Name:  Candidate Signature:	3
Written Assessment Outcome	COMPETENT   Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT  Assessor's code:

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate		2	
In Plastic Processor			
Competency Standard Title:	Assessme	nt Date (DD/MM	/YY):
Competency Standard Title: Produce Injection Moulded Plastic Parts	Assessme	nt Date (DD/MM	/YY):
1 -	Assessme	nt Date (DD/MM	/YY):

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
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.

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

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

Candidate Details	Name:  Candidate Signature:	· ·
Written Assessment Outcome	COMPETENT   Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT  Assessor's code:

Title of Qualification:	CS Code:	Level:	
National Vocational Certificate		2	
In Plastic Processor			
Competency Standard Title:	Assessme	nt Date (DD/MN	I/YY):
Competency Standard Title: Produce Pipe Through Extrusion Moulding Machine	Assessme	nt Date (DD/MN	I/YY):
	Assessme	nt Date (DD/MN	I/YY):

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
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.

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

Guidance for Candidate

To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.

Candidate Details	Name:  Candidate Signature:	3
Written Assessment Outcome	COMPETENT   Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT  Assessor's code:

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate		2	
In Plastic Processor			
Competency Standard Title:	Assessme	nt Date (DD/MN	//YY):
Competency Standard Title: Produce Blow Moulded Parts	Assessme	nt Date (DD/MM	//YY):
1	Assessme	nt Date (DD/MM	I/YY):

Question	Candidate's answer		
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		
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.		

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

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

Candidate Details	Name:  Candidate Signature:	-
Written Assessment Outcome	COMPETENT   Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT  Assessor's code:

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

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.

Title of Qualification: National Vocational Certificate In Plastic Processor		CS Code:	Level: 2	Version:
Competency Standard Title: Integrated Assessment Lev-2		Assessment Date (DD/MM/YY):		
Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.			

Candidate Details	Name:  Candidate Signature:	Registration/Roll Number:
Written Assessment Outcome	COMPETENT   Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT  Assessor's code:

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate		2	
In Plastic Processor			
Competency Standard Title:	Assessment Date (DD	D/MM/YY):	

Question	Candidate's answer
28. What is the difference between thermoset and thermoplastic?	Thermoplastics can be re-melted and re-moulded; making them re-unable, 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?	Cm <sup>3</sup> /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
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.

Title of Qualification: National Vocational Certificate In Plastic Processor		CS Code:	Level: 2	Version:
Competency Standard Title: Integrated Assessment Lev-2		Assessment Date (DD/MM/YY):		
Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.			

Candidate Details	Name:  Candidate Signature:	•
Written Assessment Outcome	COMPETENT   Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT  Assessor's code:

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate		2	
In Plastic Processor			
Competency Standard Title:	Assessment Date (DD	D/MM/YY):	

Question	Candidate's answer
32. What is the difference between thermoset and thermoplastic?	Thermoplastics can be re-melted and re-moulded; making them re-unable, 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.

Title of Qualification:  National Vocational Certificate in Plastic  Processor	CS Code: 072200910	Level: 2	Version:
Competency Standard Title:  Module 5: Arrange Raw Material for Processing	Assessment Date (DD/MM/YY):		):

Candidate Details	Name:			
	Registration/Roll Number:			
	To meet this standard, you are required to complete the following within 3 hour time frame (for practical demonstration & assessment):			
Guidance for	<ol> <li>Assessment Task 1: Obtain Work Order</li> <li>Assessment Task 2: Identify components &amp; attachments</li> <li>Assessment Task 3: Apply pre-processing procedure</li> </ol>			
Candidate	And complete:			
	<ol> <li>Knowledge assessment test (Written or Oral)</li> <li>Portfolios at the time of assessment (if any)</li> </ol>			
	During a practical assessment, under observation by an assessor, you will complete:			
	Assessment Task 1			
	Performance Criteria 1: Obtain work order			
	Performance Criteria 2: Verify production quantity available			
	Performance Criteria 3: Ensure raw material available as per work order			
Minimum	Assessment Task 2			
Evidence	Performance Criteria 1: Enlist different components			
Required	Performance Criteria 2: Enlist different attachments			
	Assessment Task 3			
	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.			

Continued on following page

Candidate Details						_	. Registration/Roll Number:			
	Carididate C.g.									
Assessment	COMPETENT   ment Name of the Assessor:				NOT YET COMPETENT   Assessor's code:					
Outcome			• •					-		
		Signature of the Assessor:								
Assessment Summary (to be filled by the assessor)										
Ac	tivity	CITE Ca	IIIIIai	Method		Jy uio .	133636		sult	
		<del>                                     </del>	T		<u>-</u>		1		Т	
Nature of Activit	ty	Written	Oral	Observation	Portfolio	Role Play	Role Play Competent Not Yet			
Practical Skill D	emonstration			✓		✓				
Knowledge Ass	essment	✓	✓							
Other Requirem	nent						Γ			
Each Assessme	ent Task (with perfo	ormanc	e crite	ria)						
Assessment Ta	sk 1			Descrip Interpre			ment ta	usk 1:		
During the practfollowing:	tical assessment, c	andida	te den	nonstrate	ed the	Yes	No	Remarks		
1	mance criteria 1: work order									
2	mance criteria 2: production quantity	availat	ole							
3	mance criteria 3: raw material availa	able as	per w	ork orde	r					
Competent				Not Yet	Compe	tent 🗆	<u>. I</u>	.1		
,										
Each Assessme	ent Task (with perfo	ormanc	e crite	ria)						
Assessment Ta	sk 2			Descrip Identify						
During the pract following:	tical assessment, c	andida	te den	nonstrate	ed the	Yes	No	Remarks		
1 Perform	nance criteria 1:									
Enlist d	different component	<u>is</u>						_		
2	nance criteria 2:	• =								
<u>'</u>	different attachment	<u>.S</u>		Not Yet	Compo	1-1-nt				
Competent				NOT YET	Compe	tent 🗀				

Each A	Each Assessment Task (with performance criteria)					
·			assessment task 3: essing procedure			
		Apply pie-pioc	essing	procedi	are	
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					
Performance criteria 3:  Apply drying of the material as per requirement of job.						
Compe	etent	Not Yet Compe	tent $\square$			

Title of Qualification:	CS Code:	Level:	Version:		
National Vocational Certificate in Plastic Processor	072200911 2				
O O ( I I T'( I -					
Competency Standard Title:	Assessment L	ate (DD/MM/YY	):		

Candidate Details	Name:							
	Registration/Roll Number:							
	To meet this standard, you are required to complete the following within 2 hou time frame (for practical demonstration & assessment):							
Guidance for Candidate	<ol> <li>Assessment Task 1: Interpret Work Order         Assessment Task 2: Perform Production         Assessment Task 3: Perform follow-up procedure for machine production         Assessment Task 4: Submit Production report         Assessment Task 5: Transport finished product to concerned department         And complete:     </li> <li>Knowledge assessment test (Written or Oral)     </li> <li>Portfolios at the time of assessment (if any)</li> </ol>							
	During a practical assessment, under observation by an assessor, you will complete:							
	Assessment Task 1							
	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							
	During a practical assessment, under observation by an assessor, you will complete:							
	Assessment Task 2							
	Performance Criteria 1: Start machine on auto-cycle							
	Performance Criteria 2: Perform periodic quality checks as per requirement							
Minimum	During a practical assessment, under observation by an assessor, you will complete:							
Evidence	Assessment Task 3							
Required	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							
	During a practical assessment, under observation by an assessor, you will complete:							
	Assessment Task 4							
	Performance Criteria 1: Record production report as per given format (kg/nos, hours)							
	Performance Criteria 2: Submit report to concerned department							
	During a practical assessment, under observation by an assessor, you will complete:							
	Assessment Task 5							
	Performance Criteria 1: Place finished product in designated area							
	Performance Criteria 2: Take approval of finished product from Quality Control							

Candid Details			Name:								
Assess Outcon		COMPETENT   NOT YET COMPETENT   Name of the Assessor: Assessor's code:   Signature of the Assessor:									
	Assessment Summary (to be filled by the assessor)										
	Activ		ent ou	IIIIIIu		lethod		y uie i	ass <del>c</del> ss		sult
Natriten Oral Observation Portfolio Portfolio Role Play				Competent Not Yet Competent							
Practic	al Skill Der	nonstration		Ŭ		<b>√</b>		<b>√</b>			
Knowle	edge Asses	sment	✓	✓							
Other F	Requiremer	nt									
Each A	ssessment	t Task (with perfo	rmanc	e crite	eria)	)					
Assess	sment Task	. 1				-	tion of a		ment ta	ısk 1:	
During followin		al assessment, c	andida	te dei	mor	nstrate	d the	Yes	No	Remarks	
1	Performa Obtain wo	nce criteria 1: ork order									
2	Performance criteria 2: Verify production quantity available										
3		nce criteria 3: nachine setting fo vided	r produ	ıction	as	per da	ata				
Compe	etent 🗆				No	ot Yet	Compe	tent 🗆			

Each A	ssessment Task (with performance crite	eria)			
Assessment Task 2 Description of Perform Produ				ment ta	sk 2:
During followir	the practical assessment, candidate de ng:	monstrated the	Yes	No	Remarks
1	Performance criteria 1: Start machine on auto-cycle				
2	Performance criteria 2: Perform periodic quality checks as per	requirement			
Compe	etent 🗆	Not Yet Compe	tent 🗆	I	,
Each A	ssessment Task (with performance crite	eria)			
Assessment Task 3 Description of					sk 3: for machine production
During the practical assessment, candidate demonstrate 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 req	uirement			
Compe	etent 🗆	Not Yet Compe	tent 🗆		
Each A	ssessment Task (with performance crite	eria)			
Assess	sment Task 4	Description of a			sk 4:
During following	the practical assessment, candidate de	monstrated the	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 departmen	nt			
Compe	etent	Not Yet Compe	tent 🗆		

Each Assessment Task (with performance criteria)						
				assessment task 5: hed 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					
Performance criteria 3:  Deliver relevant packaging documents to store personnel						
Compe	tent	Not Yet Compe	tent 🛚			

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate in Plastic Processor	072200912	2	
	_		
Competency Standard Title:	Assessment D	ate (DD/MM/YY	):

Candidate Details	Name:						
Guidance for Candidate	To meet this standard, you are required to complete the following within 3 hour time frame (for practical demonstration & assessment):  9. Assessment Task 1: Interpret Work Order 10. Assessment Task 2: Start production as per requirement 11. Assessment Task 3: Perform follow up procedure 12. Assessment Task 4: Submit production report 13. Assessment Task 5: Transport finished product And complete: 14. Knowledge assessment test (Written or Oral) 15. Portfolios at the time of assessment (if any)						
	During a practical assessment, under observation by an assessor, you will complete:  Assessment Task 1  Performance Criteria 1: Obtain Work order  Performance Criteria 2: Verify production quantity available  Performance Criteria 3: Ensure raw material as per work order  During a practical assessment, under observation by an assessor, you will						
	complete: Assessment Task 2 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						
Minimum Evidence Required	During a practical assessment, under observation by an assessor, you will complete:  Assessment Task 3  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						
	During a practical assessment, under observation by an assessor, you will complete:  Assessment Task 4  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						
	During a practical assessment, under observation by an assessor, you will complete:  Assessment Task 5  Performance Criteria 1: Ensure finished goods are counted according to organization procedure  Performance Criteria 2: Deliver relevant packaging documents to store personnel						

Candida Details	ate	Name:								
Assess Outcom		COMPETENT   NOT YET COMPETENT   Name of the Assessor: Assessor's code: Signature of the Assessor: Assessor								
	Assessment Summary (to be filled by the assessor)									
	Activ		ent Sui	Miliai	ry (to be Method		y the a	155e55	or) Res	sult
Nature of Activity			Written	Oral	Observation	Portfolio	Role Play		Sompetent	Not Yet Competent
Practica	al Skill Den	nonstration	>		<b>√</b>	Щ	<u>(Y</u>		0	20
Knowle	edge Asses	sment	✓	<b>√</b>						
Other F	Requiremer	nt								
Each A	ssessment	t Task (with perfo	rmance	e crite	ria)					
Assess	ment Task	1			Descrip Interpre			ment ta	sk 1:	
During followin		al assessment, c	andidat	te der	nonstrate	ed the	Yes	No	Remarks	
1	Performar Obtain Wo	nce criteria 1: ork order								
2		nce criteria 2: oduction quantity a	availab	le						
3		nce criteria 3: aw material as pe	r work	order						

Not Yet Competent  $\square$ 

Competent □

Each A	ssessment Task (with performance crite	eria)				
Assess	sment Task 2	Description of a Start production				
During followin	the practical assessment, candidate del	monstrated the	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 machinachieve standard component	ne capacity to				
Compe	etent	Not Yet Compe	tent 🗆			
Each A	ssessment Task (with performance crite	eria)				
			assessment task 3: 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 vinspection	isual				
3	Performance criteria 3: Generate parameters report according	to set format				
Compe	etent 🗆	Not Yet Compe	etent 🗆			
Each A	ssessment Task (with performance crite	eria)				
Assess	sment Task 4	Description of a			sk 4:	
During followir	the practical assessment, candidate del ng:	monstrated the	Yes	No	Remarks	
1	Performance criteria 1: Record machine hours as per format					
2	Performance criteria 2: Record production (kg/hr) as per forma	at				
3	Performance criteria 3: Record rejection (kg/no) on set format					
Compe	etent	Not Yet Compe	tent 🗆			

Each Assessment Task (with performance criteria)						
Assessment Task 5 Description of Transport finis			assessment task 5: hed 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					
Performance criteria 2: Deliver relevant packaging documents to store personnel						
Compe	etent 🗆	Not Yet Compe	tent 🗆			

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate in Plastic Processor	072200913	2	
Competency Standard Title:  Module 8: Produce Blow Moulded Plastic Parts	Assessment [	oate (DD/MM/YY	):

Candidate Details	Name:						
	Registration/Roll Number:						
	To meet this standard, you are required to complete the following within 3 hour time frame (for practical demonstration & assessment):						
Guidance for Candidate	<ul> <li>16. Assessment Task 1: Interpret Work Order</li> <li>17. Assessment Task 2: Perform production</li> <li>18. Assessment Task 3: Perform follow up procedure for machine production</li> <li>19. Assessment Task 4: Submit production report</li> <li>20. Assessment Task 5: Transport finished product to concerned department</li> </ul>						
	And complete:						
	<ul><li>21. Knowledge assessment test (Written or Oral)</li><li>22. Portfolios at the time of assessment (if any)</li></ul>						
	During a practical assessment, under observation by an assessor, you will complete:						
	Assessment Task 1						
	Performance Criteria 1: Obtain work order						
	Performance Criteria 2: Verify production quantity available						
	Performance Criteria 3: Ensure raw material available as per work order						
Minimum	During a practical assessment, under observation by an assessor, you will complete:						
Evidence	Assessment Task 2						
Required	Performance Criteria 1: Set machine on auto-cycle mode as per SOP						
	Performance Criteria 2: Perform periodic quality checks as per requirement						
	During a practical assessment, under observation by an assessor, you will complete:						
	Assessment Task 3						
	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						
	During a practical assessment, under observation by an assessor, you will complete:						
	Assessment Task 4						
	Performance Criteria 1: Record production report as per given format (kg/nos, hours)						
	Performance Criteria 2: Submit report to concerned department						
	During a practical assessment, under observation by an assessor, you will complete:						
	Assessment Task 5						
	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						

Candida Details		Name:								
Assess Outcom		COMPETENT   Name of the Assessor:  Signature of the Assessor:				Asses	ssor's c			
	Assessment Summary (to be filled by the assessor)									
 	Activ		ent Su	ПШа	Method		y tile a	155 <del>6</del> 55	or) Res	sult
Nature	of Activity		Written	Oral	Observation	Portfolio	Role Play	1		Not Yet Competent
Practic:	al Skill Den	monstration		Ŭ	<b>√</b>		✓			
Knowle	edge Asses	sment	✓	✓						
Other F	Requiremer	nt								_
Each A	ssessment	t Task (with perfo	rmance	e crite	eria)					
Assessment Task 1 Description of Interpret Work						ment ta	sk 1:			
During the practical assessment, candidate demonstrated the following:			ed the	Yes	No	Remarks				
1	Performance criteria 1: Obtain work order									
2	Performance criteria 2: Verify production quantity available									
3		nce criteria 3: aw material availa	able as	per w	ork orde	r				

Not Yet Competent □

Competent □

Each A	ssessment Task (with performance crite	eria)			
·		Description of a		ment ta	sk 2:
During followir	the practical assessment, candidate de ng:	monstrated the	Yes	No	Remarks
1	Performance criteria 1: Set machine on auto-cycle mode as per	er SOP			
2	Performance criteria 2: Perform periodic quality checks as per	requirement			
Compe	etent 🗆	Not Yet Compe	tent $\square$		
Each A	ssessment Task (with performance crite	eria)			
Assess	sment Task 3	Description of a Perform follow			sk 3: for machine production
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks	
1	Performance criteria 1: Ensure product packed in assigned pa	ackaging			
2	Performance criteria 2: Check feed level in hopper/bin, etc.				
3	Performance criteria 3: Ensure machine lubrication as per req	uirement			
Compe	etent 🗆	Not Yet Competent □			
Each A	ssessment Task (with performance crite	eria)			
		Description of assessment task 4: Submit production report			sk 4:
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks	
1	Performance criteria 1: Record production report as per given (kg/nos, hours)	format			
2	Performance criteria 2: Submit report to concerned departmen	nt			
Compe	etent 🗆	Not Yet Compe	tent 🗆		

Each Assessment Task (with performance criteria)					
Assess	Description of a Transport finish			sk 5: concerned department	
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks
1	Performance criteria 1: Place finished product in designated a	rea			
2	Performance criteria 2: Take approval of finished product from Quality Control				
Performance criteria 3:  Deliver relevant packaging documents to store personnel					
Competent ☐ Not Yet Compe		tent 🛘			

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate in Plastic Processor	072200914	2	
Competency Standard Title:	Assessment [	Date (DD/MM/YY	<b>)</b> :

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within 3 hour time frame (for practical demonstration & assessment):
Guidance for Candidate	<ul> <li>23. Assessment Task 1: Interpret Work Order</li> <li>24. Assessment Task 2: Perform production</li> <li>25. Assessment Task 3: Perform follow-up procedure for machine production</li> <li>26. Assessment Task 4: Submit production report</li> <li>27. Assessment Task 5: Transport finish product to concerned department</li> </ul>
	And complete:
	28. Knowledge assessment test (Written or Oral) 29. Portfolios at the time of assessment (if any)
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 1
	Performance Criteria 1: Obtain work order
	Performance Criteria 2: Verify production quantity available
	Performance Criteria 3: Ensure raw material available as per work order
Minimum	During a practical assessment, under observation by an assessor, you will complete:
Evidence	Assessment Task 2
Required	Performance Criteria 1: Start machine on auto-cycle mode as per operation manual
	Performance Criteria 2: Perform periodic quality check as per requirement
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 3
	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
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 4
	Performance Criteria 1: Record production report as per given format (kg/nos, hours)
	Performance Criteria 2: Submit report to concerned department
	During a practical assessment, under observation by an assessor, you will complete:
	Assessment Task 5
	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

Candid Details	ate	Name:								
Assess Outcom		COMPETENT   NOT YET COMPETENT   Name of the Assessor: Assessor's code:								
	Assessment Summary (to be filled by the assessor)									
	Activ		eni Ju	Illina	Method		Jy uie d	455 <del>c</del> 33	Res	sult
Nature	of Activity		Written	Oral	Observation	Portfolio	Role Play	Competent Not Yet		Not Yet Competent
Practica	al Skill Den	nonstration	_>_		✓ V	<u> </u>	<b>√</b>			
Knowle	dge Asses	sment	✓	✓						
Other F	Requiremer	nt								
Each A	ssessment	t Task (with perfo	rmance	e crite	ria)					
Assessment Task 1 Description of a Interpret Work				ment ta	sk 1:					
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		nce criteria 3: w material availa	ble as	per w	ork orde	r				

Not Yet Competent □

Competent □

Each Assessment Task (with performance criteria)					
Assess	sment Task 2	Description of a		ment ta	nsk 2:
During followir	g the practical assessment, candidate del ing:	monstrated the	Yes	No	Remarks
Performance criteria 1:  Start machine on auto-cycle mode as per operation manual					
2	Performance criteria 2: Perform periodic quality check as per r	requirement			
Compe	etent 🗆	Not Yet Compe	tent 🗆		
Each A	Assessment Task (with performance crite	eria)			
Assess	sment Task 3	Description of a Perform follow-			ask 3: for machine production
During the practical assessment, candidate demonstrated the following:		monstrated the	Yes	No	Remarks
1	Performance criteria 1: Ensure product packed in assigned pa	ackaging			
2	Performance criteria 2: Check feed level in hopper/bin as per r	requirement			
3	Performance criteria 3: Ensure machine lubrication as per requ	uirement			
Compe	etent	Not Yet Compe	tent 🗆		
Each A	Assessment Task (with performance crite	eria)			
Assessment Task 4 Des		Description of a			ask 4:
During followir	g the practical assessment, candidate der ng:	monstrated the	Yes	No	Remarks
1	Performance criteria 1: Record production report as per given (kg/nos, hours)	format			
2	Performance criteria 2: Submit report to concerned department	nt			
Compe	etent 🗆	Not Yet Compe	etent $\square$		

Each Assessment Task (with performance criteria)					
Assessment Task 5 Description of a Transport finish					sk 5: incerned 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				
Compe	etent	Not Yet Compe	tent 🗆		

Title of Qualification:	CS Code:	Level:	Version:
National Vocational Certificate level 2,		2	1
In Plastic Processor (0722 PPP 019)			
Competency Standard Title:	Assessment D	Date (DD/MM/YY	<b>()</b> :
Competency Standard Title: Integrated Assessment Level-2	Assessment D	Oate (DD/MM/YY	():
1	Assessment D	Date (DD/MM/YY	r):

Candidate Details	Name:
	Registration/Roll Number:
	To meet this standard, you are required to complete the following within the given time frame (4 hours) (for practical demonstration & assessment):
Guidance for	30. Assessment Task 1: Produce plastic products on any given plastic moulding machine.
Candidate	And complete:
	<ul><li>31. Knowledge assessment test (Written or Oral)</li><li>32. Portfolios at the time of assessment (if any)</li></ul>
	During a practical assessment, under observation by an assessor, you will complete:
	<b>Assessment Task 1:</b> Produce plastic products on any given plastic moulding machine.
/Minimum	Performance Criteria 1: Apply relevant health and safety requirements during completion of task
Evidence	Performance Criteria 2: Verify tool, machine, material as per job card
Required	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

## Portfolios required at the time of assessment (if any) for

Performance criteria 1 for the evaluation of portfolio: Submit record of all completed formative assessments. S/he must be competent in all formative assessments

Candidate Details	Name:  Candidate Signature:	S
Assessment Outcome	COMPETENT   Name of the Assessor:  Signature of the Assessor:	NOT YET COMPETENT  Assessor's code:

Assessment Summary (to be filled by the assessor)								
Activity			Method	t		Res	sult	
Nature of Activity		Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent	
Practical Skill Demonstration			✓		✓			
Knowledge Assessment	✓	✓						
Other Requirement								
Each Assessment Task (with performance criteria)								

Asses	ssment Task 1	Description of assessment task 1 Produce plastic products on any given plastic moulding machine.				
During follow	g the practical assessment, candidate de ing:	monstrated the	Yes	No	Remarks	
1	Performance Criteria 1: Applied relevant health and safety requirements during completion of task					
2	Performance Criteria 2: Verify tool, ma as per job card					
3	Performance Criteria 3: Ensure processing parameters are as per job card					
4	Performance Criteria 4: Ensure set protemperatures are achieved					
5	Performance Criteria 5: Perform semi-auto operation producing desired product					
6	Performance Criteria 6: Maintained ho after completion of task					
Competent ☐ Not Yet Comp			etent 🗆			

Portfolio (if any)				Description of portfolio			
Current ☐ Sufficient ☐		Authentic ☐ Val		Valid	□ Reliable □		Reliable 🗆
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 □			Not Yet Competent □				

## National Vocational and Technical Training Commission (NAVTTC)

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