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TEXTILE WET PROCESSING



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ASSESSMENT PACKAGE
National Vocational Certificate Level 2

Version 1 - November, 2019



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Document Version

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Islamabad, Pakistan

TEXTILE WET PROCESSING



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ASSESSMENT PACKAGE
National Vocational Certificate Level 2

Version 1 - November, 2019

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001090	Level: 2	Version: 01
Competency Standard Title: Perform Winch Dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for Winch dyeing specified by your assessor correctly 2. Assessment Task 2: Operate Winch dyeing machine for fabric dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for Winch dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating winch dyeing machine.</p> <p>Performance Criteria 2: Clean and clear winch dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Load RFD (ready for dyeing / development) fabric on winch machine for dyeing as per program sheet.</p> <p>Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.</p> <p>Performance Criteria 4: Run winch dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.</p> <p>Performance Criteria 7: Unload fabric for next process after completion the job.</p> <p>Performance Criteria 8: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 workstation for Winch dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating winch dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear winch dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate Winch dyeing machine for fabric dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Load RFD (ready for dyeing / development) fabric on winch machine for dyeing as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Run winch dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.			
6	Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Performance Criteria 7: Unload fabric for next process after completion the job.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Performance Criteria 8: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for Winch dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform winch dyeing	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Winch dyeing machine can be used for dyeing of _____ fabric?	a. Polyester fabric b. Cotton Fabric c. Acrylic fabric d. Nylon fabric
2. Which types of fabric (by construction) can be dyeing on winch dyeing machine?	a. Knitted fabric b. Woven Fabric c. Non woven fabric d. none of above
3. Liquor ratio required for winch dyeing process is _____ or less.	a. 2:20 b. 3;10 c. 4:10 d. 1:20
4. Enlist any THREE dyeing faults during winch dyeing operations?	1. Crease mark 2. Roll to roll variation 3. Shade variation 4. uneven dyeing 5. Spotty dyeing

Question	Candidate's answer
5. No of dyeing cycles are increased for increasing the depth of shade on winch machine (True/ False)	True
6. The fabric is dyed in _____ form on winch machine?	<ul style="list-style-type: none"> a) Rope form b) Open width c) continuous d) none of above
7. What is the role of salt in reactive dyeing on winch dyeing machine?	For exhaustion / migration / adsorption
8. Alkali is used for _____ at winch dyeing machine?	<ul style="list-style-type: none"> a) neutralization b) exhaustion c) migration d) fixation
9. Maximum temperature that can be achieved on winch dyeing machine?	<ul style="list-style-type: none"> a. 110°C b. 98°C c. 85°C d. 70°C
10. Which chemical is used for neutralization after cotton fabric dyeing?	<ul style="list-style-type: none"> a) Sulphuric Acid b) Caustic Soda c) Acetic Acid d) Sodium Chloride

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001091	Level: 2	Version: 01
Competency Standard Title: Perform Jigger Dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for jigger dyeing specified by your assessor correctly 2. Assessment Task 2: Operate jigger dyeing machine for fabric dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for jigger dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating jigger dyeing machine.</p> <p>Performance Criteria 2: Clean and clear jigger dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for jigger dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Load RFD (ready for dyeing / development) fabric on jigger machine for dyeing as per program sheet.</p> <p>Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.</p> <p>Performance Criteria 4: Run jigger dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.</p> <p>Performance Criteria 7: Unload fabric for next process after completion the job.</p> <p>Performance Criteria 8: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 workstation for jigger dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating jigger dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear jigger dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate jigger dyeing machine for fabric dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Load RFD (ready for dyeing / development) fabric on jigger machine for dyeing as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Run jigger dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.			
6	Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Performance Criteria 7: Unload fabric for next process after completion the job.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Performance Criteria 8: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for jigger dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform Jigger dyeing	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Jigger dyeing machine can be used for dyeing of _____ fabric?	a. Polyester fabric b. Cotton Fabric c. Acrylic fabric d. Nylon fabric
2. Which types of fabric (by construction) can be dyeing on jigger dyeing machine?	a. Knitted fabric b. Woven Fabric c. Non woven fabric d. none of above
3. Liquor ratio required for Jigger dyeing process is _____.	a. 1:4 b. 1;8 c. 1:12 d. 1:20
4. Enlist any THREE dyeing faults during jigger dyeing operations?	1. Crease mark 2. Roll to roll variation 3. Shade variation 4. uneven dyeing 5. Spotty dyeing

Question	Candidate's answer
5. Temperature can be raised for jigger dyeing machine is up to:	<ul style="list-style-type: none"> • 80 °C • 98 °C • 120 °C • 140 °C
6. The fabric is dyed in _____ form on jigger machine?	<ul style="list-style-type: none"> a) Rope form b) Open width c) continuous d) none of above
7. What is the role of salt in reactive dyeing on jigger dyeing machine?	For exhaustion / migration / adsorption
8. In reactive dyeing on jigger dyeing machine alkali is used for?	<ul style="list-style-type: none"> a) neutralization b) exhaustion c) migration d) fixation
9. Write any THREE parts of jigger dyeing machine?	<ul style="list-style-type: none"> • Feed roller • Take up roller • Dye bath • Guide rollers • tank
10. Which chemical is used for neutralization after cotton fabric dyeing?	<ul style="list-style-type: none"> a) Sulphuric Acid b) Caustic Soda c) Acetic Acid d) Sodium Chloride

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001092	Level: 2	Version: 01
Competency Standard Title: Perform Jet Dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for Jet dyeing specified by your assessor correctly 2. Assessment Task 2: Operate Jet dyeing machine for fabric dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for Jet dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating Jet dyeing machine.</p> <p>Performance Criteria 2: Clean and clear Jet dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for Jet dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Load RFD (ready for dyeing / development) fabric on Jet machine for dyeing as per program sheet.</p> <p>Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.</p> <p>Performance Criteria 4: Run Jet dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.</p> <p>Performance Criteria 7: Unload fabric for next process after completion the job.</p> <p>Performance Criteria 8: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 workstation for Jet dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating Jet dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear Jet dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate Jet dyeing machine for fabric dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Load RFD (ready for dyeing / development) fabric on Jet machine for dyeing as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Run Jet dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.			
6	Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Performance Criteria 7: Unload fabric for next process after completion the job.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Performance Criteria 8: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for Jet dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform Jet dyeing	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Enlist any TREE parts of Jet dyeing machine?	1. Winch roller or Reel 2. Main Vessel or Chamber 3. Chemical dosing tank 4. Heat Exchanger 5. Nozzle 6. Fabric Plaiter 7. Reserve Tank 8. Controlling unit or Processor
2. Vario and Thies are the types of?	a. Jet dyeing dyestuff b. Jet dyeing process c. Jet dyeing machine d. Jet dyeing chemicals
3. Jet dyeing machine can be operated at a liquor ratio from?	a. 1:1 to 1:2 b. 1:3 to 1:6 c. 1:10 to 1:12 d. 1: 15 to 1:20

Question	Candidate's answer
4. Enlist any THREE dyeing faults during Jet dyeing operations?	<ol style="list-style-type: none"> 1. Crease mark 2. Roll to roll variation 3. Shade variation 4. uneven dyeing 5. Spotty dyeing
5. Jet dyeing machine can be used for dyeing of _____ fabric?	<ol style="list-style-type: none"> a. Polyester fabric b. Cotton Fabric c. Acrylic fabric d. Nylon fabric
6. For polyester fabric dyeing, _____ dyes are used.	<ol style="list-style-type: none"> a) Reactive dyes b) Disperse dyes c) Direct dyes d) Acid dyes
7. What is the role of salt in reactive dyeing on jet dyeing machine?	For exhaustion / migration / adsorption
8. Fabric is dyed on jet dyeing machine in _____ form.	<ol style="list-style-type: none"> a) Width-wise b) zigzag c) Semi-continuous d) rope
9. What is the Liquor ratio of dyeing machine?	The liquor ratio of a dyeing machine is the amount of water needed to run a dyeing machine successfully divided by the mass of textiles to be dyed. For example: 1000 liter water divided by 200 kg textiles = liquor ratio 5.

Question	Candidate's answer
10. Why do jet dyeing machine have a filter?	The filter eliminates the loose fibres in the dye bath, consequently it reduces the loose fibre loads on the fabric.

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001093	Level: 2	Version: 01
Competency Standard Title: Perform Pad batch dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for Pad batch dyeing specified by your assessor correctly 2. Assessment Task 2: Operate Pad batch dyeing machine for fabric dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for Pad batch dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating Pad batch dyeing machine.</p> <p>Performance Criteria 2: Clean and clear Pad batch dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for Pad batch dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Load RFD (ready for dyeing / development) fabric on Pad batch machine for dyeing as per program sheet.</p> <p>Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.</p> <p>Performance Criteria 4: Run Pad batch dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.</p> <p>Performance Criteria 7: Unload fabric for next process after completion the job.</p> <p>Performance Criteria 8: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 workstation for Pad batch dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating Pad batch dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear Pad batch dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate Pad batch dyeing machine for fabric dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Load RFD (ready for dyeing / development) fabric on Pad batch machine for dyeing as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Run Pad batch dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.			
6	Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Performance Criteria 7: Unload fabric for next process after completion the job.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Performance Criteria 8: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for Pad batch dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform Pad Batch dyeing	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Pad batch dyeing machine can be used for dyeing of _____ fabric?	a. Cotton Fabric b. Polyester fabric c. Acrylic fabric d. Wool fabric
2. Which types of fabric (by construction) can be dyeing on Pad Batch dyeing machine?	a. Knitted fabric b. Non woven fabric c. Woven Fabric d. none of above
3. The Cotton is dyed by reactive dye at _____ pH on pad batch dyeing machine	a. Alkaline b. Acidic c. Neutral
4. Enlist any THREE dyeing faults during pad batch dyeing operations?	1. Crease mark 2. Listing 3. Tailing 4. uneven fixation

Question	Candidate's answer
5. Why batching is done on pad batching dyeing machine?	<ul style="list-style-type: none"> a) Fixation b) Adsorption c) Neutralization d) Exhaustion
6. The batcher is covered with polyethylene to?	Avoid drying
7. Padder pressure is directly proportional to Padder Pickup. (True / False)	False
8. Batching time directly affects the depth of shade. (True / False)	True
9. Absorption of dye in Pad batch dyeing machine is done by?	<ul style="list-style-type: none"> a) Salt b) Alkali c) Padder pressure d) batching
10. Write down the definition of pad batch dyeing?	A process of dyeing fabrics by passing the fabrics between rollers that apply the dyestuff

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001094	Level: 2	Version: 01
Competency Standard Title: Perform Pad Thermosol dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for Pad Thermosol dyeing specified by your assessor correctly 2. Assessment Task 2: Operate Pad Thermosol dyeing machine for fabric dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for Pad Thermosol dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating Pad Thermosol dyeing machine.</p> <p>Performance Criteria 2: Clean and clear Pad Thermosol dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for Pad Thermosol dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Apply Threading of feeding cloth as per requirement.</p> <p>Performance Criteria 3: Stitch RFD (ready for dyeing / development) fabric with feeding cloth on pad thermosol machine for dyeing as per program sheet.</p> <p>Performance Criteria 4: Set machine parameters as per dyeing process requirement / program sheet.</p> <p>Performance Criteria 5: Run pad thermosol dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 6: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 7: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 workstation for Pad Thermosol dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating Pad Thermosol dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear Pad Thermosol dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate Pad Thermosol dyeing machine for fabric dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Apply Threading of feeding cloth as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 3: Stitch RFD (ready for dyeing / development) fabric with feeding cloth on pad thermosol machine for dyeing as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 4: Set machine parameters as per dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 5: Run pad thermosol dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 6: Maintain quality parameters during process according to program sheet / protocol.			
8	Performance Criteria 7: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for Pad Thermosol dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform Pad Thermosol dyeing	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Enlist any THREE chemicals used during pad thermosol dyeing operations?	1. Wetting agent 2. Migrating agent 3. Soda Ash 4. Gulbar salt 5. R salt 6. Urea
2. When pad dry cure is performed in thermosol then _____ must be controlled?	a. Color b. Fixation c. Humidity d. Softener
3. Light Box is used for?	a. Shade matching b. Proper lighting for dyeing c. padding d. Neutralization
4. Enlist any THREE dyeing faults during pad batch dyeing operations?	1. Crease mark 2. Listing 3. Tailing 4. uneven fixation 5. bad drying

Question	Candidate's answer
5. What is the purpose of J-Box section in pad thermosol dyeing machine?	It is a space for keeping fabric. When the batch is completed
6. The temperature of curing chamber for reactive dyeing at Pad thermosol dyeing is:	<ul style="list-style-type: none"> a) 90-110°C b) 120-1400°C c) 150-170°C d) 190-210°C
7. The temperature of curing chamber for disperse dyeing at Pad thermosol dyeing is:	<ul style="list-style-type: none"> e) 100- 120°C f) 140-170°C g) 200-210°C h) 240-260°C
8. Testing required during pad thermosol operation are:	Pick up testing and Shade listing identification.
9. Enlist ant THREE sections of pad thermosol dyeing machine?	<ul style="list-style-type: none"> 1. Fabric inlet section 2. Cooling roller 3. Chemical Mixing Tank 4. Dyeing padding Unit 5. Airing Zone 6. IR dryer 7. Hot air flow drying unit 8. Curing chamber 9. J-Box 10. Fabric outlet 11. Control Panel

Question	Candidate's answer
10. In pad thermosol dyeing the fabric feeding at pad steam after padding for?	a) Fixation b) Drying c) Washing d) Anti creasing

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001095	Level: 2	Version: 01
Competency Standard Title: Perform Pad steam dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for Pad steam dyeing specified by your assessor correctly 2. Assessment Task 2: Operate Pad steam dyeing machine for fabric dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for Pad steam dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating Pad steam dyeing machine.</p> <p>Performance Criteria 2: Clean and clear Pad steam dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for Pad steam dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Apply Threading of feeding cloth as per requirement.</p> <p>Performance Criteria 3: Stitch RFD (ready for dyeing / development) fabric with feeding cloth on Pad steam machine for dyeing as per program sheet.</p> <p>Performance Criteria 4: Set machine parameters as per dyeing process requirement / program sheet.</p> <p>Performance Criteria 5: Run Pad steam dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 6: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 7: Wash-off & Neutralize dyed fabric as per program sheet.</p> <p>Performance Criteria 8: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 workstation for Pad Thermosol dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating Pad Thermosol dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear Pad Thermosol dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate Pad Thermosol dyeing machine for fabric dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Apply Threading of feeding cloth as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Stitch RFD (ready for dyeing / development) fabric with feeding cloth on pad thermosol machine for dyeing as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Set machine parameters as per dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Run pad thermosol dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Performance Criteria 6: Maintain quality parameters during process according to program sheet / protocol.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Performance Criteria 7: Wash-off & Neutralize dyed fabric as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Performance Criteria 8: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for Pad Steam dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work			
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>		
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>		
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>		
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform Pad Steam dyeing	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. After steamer at pad steam dyeing machine the flows from _____ washers?	1. 1-2 washers 2. 3-4 washers 3. 5-6 washers 4. 7-8 washers
2. When pad dry cure is performed in steam then _____ must be controlled?	a. Color b. Fixation c. Humidity d. Softener
3. Write down the purpose of Pad steam dyeing machine?	Pad-Steam dyeing is a process of continuous dyeing in which the fabric in open width is padded with dyestuff and is then steamed. Pad steam is an ideal machine for reactive dyeing of cotton and its blended fabrics. Light, pale and medium shades can be dyed in this machine.
4. Enlist any THREE dyeing faults during pad steam dyeing operations?	1. Crease mark 2. Listing 3. Tailing 4. uneven fixation 5. bad drying

Question	Candidate's answer
5. Enlist an THREE processes that can be done on pd steam dyeing machine?	<ul style="list-style-type: none"> • Reactive dyeing • Pad-batch dyeing • Reduction Dyeing • Stripping • Vat Development/ Vat Dyeing • Hot and Cold Washing • Pad Steam • Wet Chemical Pad
6. The temperature of steam after padding at Pad Steam dyeing is:	<ul style="list-style-type: none"> • 30°C • 40°C • 60°C • 80°C
7. Fabric is washed in a washing machine to remove the _____.	<ul style="list-style-type: none"> • Dust • salt • unfixed dye • color
8. Testing required during pad steam operation are:	Pick up testing and Shade listing identification.
9. Enlist ant TWO sections of pad thermosol dyeing machine?	<ol style="list-style-type: none"> 1. Padding 2. Drying 3. Thermo fixation 4. Cooling 5. Penetration 6. IR pre-drying

Question	Candidate's answer
10. In pad steam dyeing machine the fabric is first padded in a padder with the _____.	a) Dye b) water c) salt solution d) foam

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001096	Level: 2	Version: 01
Competency Standard Title: Perform Cone Dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for Cone dyeing specified by your assessor correctly 2. Assessment Task 2: Operate Cone dyeing machine for yarn dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for cone dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating cone dyeing machine.</p> <p>Performance Criteria 2: Clean and clear cone dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for Pad steam dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Load RFD (ready for dyeing / development) cones / package on Cone dyeing machine for dyeing as per program sheet.</p> <p>Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.</p> <p>Performance Criteria 4: Run cone dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.</p> <p>Performance Criteria 7: Unload Cones for next process after completion the job.</p> <p>Performance Criteria 8: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for cone dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for cone dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 workstation for Cone dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating cone dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear cone dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate Cone dyeing machine for yarn dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Load RFD (ready for dyeing / development) cones / package on Cone dyeing machine for dyeing as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Run cone dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Performance Criteria 7: Unload Cones for next process after completion the job.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Performance Criteria 8: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for cone dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for cone dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for cone dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform Cone dyeing	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Liquor ration for cone dyeing machine may be:	1. 1:2-1:4 2. 1:4-1:6 3. 1:4-1:0 4. 1:10-1:20
2. Any type of addition can be done to the cone dyeing machine during dyeing through the _____?	a. Hand b. dye bath c. Injector pump
3. The dyeing cycle is controlled through a _____ at cone dyeing machine?	a) Physically b) Mini-computer c) Spectrophotometer d) X-ray

Question	Candidate's answer
4. Enlist any THREE dyeing faults during cone dyeing operations?	<ol style="list-style-type: none"> 1. Listing 2. Tailing 3. uneven fixation 4. bad drying 5. Uneven dyeing 6. Breakage of yarn
5. After drying at cone dyeing machine the yarn is dried using an _____?	<ul style="list-style-type: none"> • Infra red drying oven • Eco-dry machine • Universal hydro extractor • Air
6. Yarn dyeing in package form is done at _____ temperature and under _____ pressure:	<ul style="list-style-type: none"> • Low • medium • high
7. The term package dyeing usually denotes for dyeing of _____ that has been wound on perforated cones	<ul style="list-style-type: none"> • Fibre • fabric • yarn • garment
8. Enlist any THREE chemicals use for dyeing the cone at cone dyeing machine?	<ol style="list-style-type: none"> a) Anti foam agents b) Sodium hydroxide c) Fixing agents d) Acetic acid e) Sodium carbonate f) Leveling agents g) Sequestering agents h) Washing off agents

Question	Candidate's answer
9. Enlist ant THREE sections / parts of cone dyeing machine?	<ol style="list-style-type: none"> 1. High Pressure Lid 2. Dye Bath 3. Flow Reverse 4. Heat exchanger 5. Main Pump 6. Addition Tank 7. Dosing Tank
10. Write any THREE advantages of package / cone dyeing machine?	<ul style="list-style-type: none"> ▪ Considerable reduction in yarn handling. ▪ Compatible to automatic control, in the process leading to reproducible dyeing"s. ▪ Open to large batches. ▪ High temperature dyeing a possibility. ▪ Low liquor ratios, giving savings in water, effluent and energy. ▪ Uniform and High rates of liquor circulation, that leads to level application of dyes.

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001097	Level: 2	Version: 01
Competency Standard Title: Perform Rope Dyeing (Denim)	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for Rope dyeing specified by your assessor correctly 2. Assessment Task 2: Operate Rope dyeing machine for rope dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for Rope dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating rope dyeing machine.</p> <p>Performance Criteria 2: Clean and clear rope dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for rope dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Apply Threading of feeding rope as per requirement.</p> <p>Performance Criteria 3: Stitch RFD (ready for dyeing / development) ropes with feeding cloth on rope dyeing machine for dyeing as per program sheet.</p> <p>Performance Criteria 4: Set machine parameters as per dyeing process requirement / program sheet.</p> <p>Performance Criteria 5: Run rope dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 6: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 7: Wash-off & Neutralize dyed fabric as per program sheet.</p> <p>Performance Criteria 8: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for rope dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for rope dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 workstation for Rope dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating rope dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear rope dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for rope dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate Rope dyeing machine for rope dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Apply Threading of feeding rope as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Stitch RFD (ready for dyeing / development) ropes with feeding cloth on rope dyeing machine for dyeing as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Set machine parameters as per dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Run rope dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Performance Criteria 6: Maintain quality parameters during process according to program sheet / protocol.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Performance Criteria 7: Wash-off & Neutralize dyed fabric as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Performance Criteria 8: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for rope dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work			
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for rope dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>		
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for rope dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>		
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>		
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>			

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform Rope Dyeing (Denim)	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. What does Rope Dyeing mean?	Believed to be the best possible indigo dyeing method for yarn, the threads of denim yarn are initially twisted into a rope, then undergo a repetitive sequence of dipping and oxidization. The more frequent the dipping and oxidizing, the stronger the indigo shade.
2. Why scoring is done on rope before dyeing on rope dyeing machine?	To remove impurities from yarn
3. Which dyes are used in rope dyeing machine?	a. Sulphur dyes b. Indigo dyes c. Vat dyes d. all of above
4. Enlist any THREE colors processed in the plant of rope dyeing.	1. Pure 100% indigo dyed 2. Midnight indigo 3. Deep blue 4. Light blue 5. Sulphur black

Question	Candidate's answer
5. _____type of softener is used in rope dyeing?	<ul style="list-style-type: none"> a) Anionic b) Nonionic c) Cationic d) Amphoteric
6. Sulphur dye is reduced by using _____.	<ul style="list-style-type: none"> a) Sodium dithionite b) Sulphuric Acid c) Sodium Sulphide d) Sodium Chloride
7. Vat dyes are re-oxidized by_____.	<ul style="list-style-type: none"> a) Airing b) Caustic Soda c) Sodium dithionite d) Sodium Sulphide
8. What is ring dyeing?	When dye is present only on the surface of the yarn and colorless at the core dyeing
9. What is Solid/core dyeing?	When dye is present on the surface and as well as in the core of the yarn is called solid dyeing
10. Scouring temperature of rope in rope dyeing machine is_____?	<ul style="list-style-type: none"> a. 90°C b. 110°C c. 70°C d. 60°C

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001098	Level: 2	Version: 01
Competency Standard Title: Perform Soft flow dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for Soft flow dyeing specified by your assessor correctly 2. Assessment Task 2: Operate Soft flow dyeing machine for fabric dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for Soft flow dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating Soft flow dyeing machine.</p> <p>Performance Criteria 2: Clean and clear Soft flow dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for Soft flow dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Load RFD (ready for dyeing / development) fabric on soft flow machine for dyeing as per program sheet.</p> <p>Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.</p> <p>Performance Criteria 4: Run soft flow dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.</p> <p>Performance Criteria 7: Unload fabric for next process after completion the job.</p> <p>Performance Criteria 8: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for soft flow dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for soft flow dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1 workstation for Soft flow dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating Soft flow dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear Soft flow dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for Soft flow dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate Soft flow dyeing machine for fabric dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Load RFD (ready for dyeing / development) fabric on soft flow machine for dyeing as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Set machine parameters as per dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Run soft flow dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Performance Criteria 6: Wash-off & Neutralize dyed fabric as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Performance Criteria 7: Unload fabric for next process after completion the job.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Performance Criteria 8: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for Soft flow dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for cone dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for cone dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform Soft flow Dyeing (Denim)	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Soft Flow dyeing machine can be used for dyeing of _____ fabric?	1. Polyester fabric 2. Cotton Fabric 3. Acrylic fabric 4. all of above
2. Write down any THREE parts of soft flow dyeing machine?	1. Combined air & front spray nozzle 2. Stainless steel lifting roller 3. Automatic adjustable nozzle 4. Loading chamber 5. Main hole 6. Manual pre-fitter
3. In Soft Flow dyeing machine liquor ratio is	a. High b. Medium c. Very low d. very high

Question	Candidate's answer
4. Enlist any THREE dyeing faults during soft flow dyeing operations?	1. Crease mark 2. Roll to roll variation 3. Shade variation 4. uneven dyeing 5. Spotty dyeing
5. What is the Maximum working pressure on Soft Flow dyeing machine?	a) 3.2 Bar b) 3.4 Bar c) 3.6 Bar d) 3.8 Bar
6. The fabric is dyed in _____ form on Soft Flow dyeing machine.	a) Rope form b) Open width c) continuous d) none of above
7. In soft Flow dying machine, dye liquor is _____.	a) Stationary b) Circulating/moving c) sufficient d) Insufficient
8. In soft Flow dying machine, fabric is circulated. (True / False)	True
9. Soft Flow dyeing machine can reach up to _____ temperature?	a. 180°C b. 70°C c. 140°C d. 100°C

Question	Candidate's answer
10. Soft Flow dyeing machine has better dye uniformity and dyeing rate, why?	Due to vigorous agitation of fabric

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001099	Level: 2	Version: 01
Competency Standard Title: Perform Garment dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for garment dyeing specified by your assessor correctly 2. Assessment Task 2: Operate garment dyeing machine for garment dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for garment dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating garment dyeing machine.</p> <p>Performance Criteria 2: Clean and clear garment dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for garment dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Load ready for dyeing (RFD) garments on garment dyeing machine for dyeing as per program sheet.</p> <p>Performance Criteria 3: Set machine parameters as per garment dyeing process requirement / program sheet.</p> <p>Performance Criteria 4: Run garment dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 6: Wash-off & Neutralize dyed garment as per program sheet.</p> <p>Performance Criteria 7: Unload garment for next process after completion the job.</p> <p>Performance Criteria 8: Apply mechanical drying through hydro extractor as per process requirement.</p> <p>Performance Criteria 9: Dry processed garment through Tumble dryer as per process requirement.</p> <p>Performance Criteria 10: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for garment dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for garment dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1		
		Prepare workstation for garment dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating garment dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear garment dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for garment dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate garment dyeing machine for garment dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Load ready for dyeing (RFD) garments on garment dyeing machine for dyeing as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Set machine parameters as per garment dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Run garment dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 5: Maintain quality parameters during process according to program sheet / protocol.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Performance Criteria 6: Wash-off & Neutralize dyed garment as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
7	Performance Criteria 7: Unload garment for next process after completion the job.	<input type="checkbox"/>	<input type="checkbox"/>	
8	Performance Criteria 8: Apply mechanical drying through hydro extractor as per process requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
9	Performance Criteria 9: Dry processed garment through Tumble dryer as per process requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
10	Performance Criteria 10: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for garment dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for garment dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for garment dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform Garment Dyeing (Denim)	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. What is Garment dyeing?	Garment dyeing is the process of dyeing fully fashioned garments (such as pants, pullovers, t-shirts, jeans, sweaters, dresses, bathrobes, casual jackets, shirts, skirts, hosiery) subsequent to manufacturing, as opposed to the conventional method of manufacturing garments from pre-dyed fabrics.
2. Normally the liquor ratio setting for garment dyeing machine is?	a) 5:1 b) 15:1 c) 30:1 d) 50:1
3. Choose right sequence (flow chart) of Garment dyeing?	a. Batching / Pre-treatment / Dyeing / Sample check / Storage / Hydro extraction / Drying / QC b. Batching / Pre-treatment / Dyeing / Sample check / Hydro extraction / Drying / QC / Storage c. Batching / Pre-treatment / Dyeing / Hydro extraction / Sample check / Drying / QC / Storage d. Batching / Dyeing / Sample check / Hydro extraction / Pre-treatment /Drying / QC / Storage
4. Enlist any THREE dyeing faults during garment dyeing operations?	1. Crease mark 2. Patchy dyeing 3. spotting 4. harshness 5. back staining 6. unlevel dyeing 7. shade variation

Question	Candidate's answer
5. Write any TWO types of equipments used for garment dyeing machine?	<ol style="list-style-type: none"> 1. Paddle machines 2. Rotary drums 3. Tumbler 4. Toroid 5. Gyrobox
6. Write down ant TWO disadvantages of Garment dyeing machines?	<ol style="list-style-type: none"> 1. High cost of processing 2. A little complicated dyeing 3. Garment accessories like zips, buttons, etc impose restrictions.
7. Write down ant TWO advantages of Garment dyeing machines?	<ol style="list-style-type: none"> 1. Handling of smaller lots economically 2. Enables various special effects to achieved 3. Distressed look can be effectively imparted 4. Unsold light shades can be converted into medium and deep shades
8. The temperature can be increased up to _____ in garment dyeing machine (paddle).	<ol style="list-style-type: none"> a. 78°C b. 88°C c. 98°C d. 108°C
9. High temperature garment dyeing machine (drum machine) is capable of processing the garment dyeing up to _____.	<ol style="list-style-type: none"> e. 100°C f. 120°C g. 140°C h. 160°C
10. Tumbler machine is used for?	<ol style="list-style-type: none"> a. Washing b. Storage c. Dye preparation d. drying

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Textile Dyeing Technologist)	CS Code: 0723001100	Level: 2	Version: 01
Competency Standard Title: Perform Stenter dyeing	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for Stenter dyeing specified by your assessor correctly 2. Assessment Task 2: Operate Stenter dyeing machine for fabric dyeing specified by your assessor correctly using appropriate methods 3. Assessment Task 3: Maintain Production Register for Stenter dyeing machine according to company's standards. <p>And complete:</p> <ol style="list-style-type: none"> 4. Knowledge assessment test (Written) 5. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p><u>Assessment Task 1</u></p> <p>Performance Criteria 1: Interpret program sheet for operating garment dyeing machine.</p> <p>Performance Criteria 2: Clean and clear garment dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for garment dyeing process as per program sheet.</p> <p>Performance Criteria 4: Check and verify material and parameters according to program sheet.</p>

	<p><u>Assessment Task 2</u></p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Apply Threading of feeding cloth as per requirement.</p> <p>Performance Criteria 3: Stitch RFD (ready for dyeing / development) fabric with feeding cloth on stenter dyeing machine for dyeing as per program sheet.</p> <p>Performance Criteria 4: Set machine parameters as per stenter dyeing process requirement / program sheet.</p> <p>Performance Criteria 5: Run garment dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 6: Maintain quality parameters during process according to program sheet / protocol.</p> <p>Performance Criteria 7: Clean workstation after closing the job.</p>
	<p><u>Assessment Task 3</u></p> <p>Performance Criteria 1: Record lot-wise production on production register as per given format.</p> <p>Performance Criteria 2: Record running and stoppage time on production register as per given format.</p> <p>Performance Criteria 3: Contact with supervisor for verification of production as per given format.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for setting machine parameters for stenter dyeing during training.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for quality parameters for stenter dyeing during training.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for pictures each performance criteria.</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			✓			<input type="checkbox"/>	<input type="checkbox"/>
Knowledge Assessment	✓	✓				<input type="checkbox"/>	<input type="checkbox"/>
Other Requirement				✓		<input type="checkbox"/>	<input type="checkbox"/>

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1		
		Prepare workstation for Stenter dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Interpret program sheet for operating stenter dyeing machine.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Clean and clear stenter dyeing machine as per check list.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Arrange material for stenter dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 4: Check and verify material and parameters according to program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2 Operate Stenter dyeing machine for fabric dyeing		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Follow safety precautions as per job requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Apply Threading of feeding cloth as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>	
	Performance Criteria 3: Stitch RFD (ready for dyeing / development) fabric with feeding cloth on stenter dyeing machine for dyeing as per program sheet.			
3	Performance Criteria 4: Set machine parameters as per stenter dyeing process requirement / program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Performance Criteria 5: Run stenter dyeing machine to start the dyeing process as per program sheet.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Performance Criteria 6: Maintain quality parameters during process according to program sheet / protocol.	<input type="checkbox"/>	<input type="checkbox"/>	
10	Performance Criteria 7: Clean workstation after closing the job.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Maintain Production Register for Stenter dyeing machine.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Performance Criteria 1: Record lot-wise production on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Performance Criteria 2: Record running and stoppage time on production register as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
3	Performance Criteria 3: Contact with supervisor for verification of production as per given format.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1:</u> Diary log of practical work for setting machine parameters for stenter dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
2	<u>Performance criteria 2:</u> Diary log of practical work for quality parameters for stenter dyeing during training.	<input type="checkbox"/>	<input type="checkbox"/>	
3	<u>Performance criteria 3:</u> Diary log of practical work for pictures each performance criteria.	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Competency Standard Title: Perform Stenter dyeing	Assessment Date (DD/MM/YY):		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. Stenter dyeing machine can be used for dyeing of _____ fabric?	a. Polyester fabric b. Cotton Fabric c. Acrylic fabric d. Nylon fabric
2. Which types of fabric (by construction) can be dyeing on stenter dyeing machine?	a. Knitted fabric b. Woven Fabric c. Non woven fabric d. none of above
3. Liquor ratio required for Stenter dyeing process is _____.	a. 1:5 b. 1;10 c. 1:15 d. 1:20
4. Enlist any THREE dyeing faults during jigger dyeing operations?	1. Crease mark 2. Roll to roll variation 3. Shade variation 4. uneven dyeing 5. Spotty dyeing

Question	Candidate's answer
5. Temperature can be raised for stenter dyeing machine is up to:	<ul style="list-style-type: none"> • 120°C • 140°C • 160°C • 180°C
6. The fabric is dyed in _____ form on Stenter machine?	<ul style="list-style-type: none"> a) Rope form b) Open width c) continuous d) none of above
7. What is the role of salt in reactive dyeing on Stenter dyeing machine?	For exhaustion / migration / adsorption
8. In reactive dyeing on stenter dyeing machine alkali is used for?	<ul style="list-style-type: none"> a) neutralization b) exhaustion c) migration d) fixation
9. Heating system for stenter machine is?	<ul style="list-style-type: none"> • Natural Gas • Boiler • Infra-Red • Chemical treatment
10. Which chemical is used for neutralization after cotton fabric dyeing?	<ul style="list-style-type: none"> a) Sulphuric Acid b) Caustic Soda c) Acetic Acid d) Sodium Chloride

Title of Qualification: National Vocational Certificate Level 2 in Textile Wet Processing (Dyeing Technologist)	CS Code:	Level: 2	Version: 1
Integrated Assessment A for Textile Wet Processing (Dyeing Technologist) Level-2: Perform dyeing on PC woven fabric by two bath exhaust process	Assessment Date (DD/MM/YY): 00/00/0000		

Candidate Details	Name: Registration/Roll Number:
Guidance for Candidate	To meet this standard you are required to complete the following tasks within eight hours timeframe (for practical demonstration & assessment): <ol style="list-style-type: none"> 1. Assessment Task 1: Prepare workstation for jet dyeing. 2. Assessment Task 2: Operate jet dyeing machine for Polyester portion dyeing. 3. Assessment Task 3: Perform RC (Reduction clearing) on jet dyeing. 4. Assessment Task 4: Prepare workstation for jigger dyeing. 5. Assessment Task 5: Operate jigger dyeing machine for cotton portion of fabric dyeing. <p>And complete:</p> <ol style="list-style-type: none"> 1. Knowledge assessment test (Written 2. Portfolios at the time of assessment
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1: Prepare workstation for jet dyeing.</p> Performance Criteria 1: Collect program sheet for polyester dyeing. Performance Criteria 2: Clean and clear jet dyeing machine as per check list. Performance Criteria 3: Arrange material for dyeing process as per program sheet. Performance Criteria 4: Ensure L: R, pH and other parameters for polyester dyeing as per recipe. <p>Assessment Task 2: Operate jet dyeing machine for Polyester portion dyeing.</p> Performance Criteria 1: Follow safety precautions as per job requirement. Performance Criteria 2: Load fabric on jet machine for dyeing as per program sheet. Performance Criteria 3: Set temperature, time and pressure for polyester portion dyeing on jet machine. Performance Criteria 4: Run jet dyeing machine to start the dyeing process as per program sheet.

	<p>Assessment Task 3: Perform RC (Reduction clearing) on jet dyeing.</p> <p>Performance Criteria 1: Arrange material for RC as per recipe.</p> <p>Performance Criteria 2: Ensure L:R and pH for RC as per recipe.</p> <p>Performance Criteria 3: Set temperature and time for RC on jet machine.</p> <p>Performance Criteria 4: Run jet dyeing machine to start the RC process as per program sheet.</p> <p>Performance Criteria 5: Perform washing and neutralizing dyed fabric</p>
	<p>Assessment Task 4: Prepare workstation for jigger dyeing.</p> <p>Performance Criteria 1: Collect program sheet for cotton dyeing.</p> <p>Performance Criteria 2: Clean and clear jigger dyeing machine as per check list.</p> <p>Performance Criteria 3: Arrange material for dyeing process as per program sheet.</p> <p>Performance Criteria 4: Ensure L:R and pH for cotton dyeing as per recipe.</p>
	<p>Assessment Task 5: Operate jigger dyeing machine for cotton portion dyeing.</p> <p>Performance Criteria 1: Follow safety precautions as per job requirement.</p> <p>Performance Criteria 2: Load fabric on jigger machine for dyeing as per program sheet.</p> <p>Performance Criteria 3: Set temperature, time and speed for cotton portion dyeing on jigger machine.</p> <p>Performance Criteria 4: Run jigger dyeing machine to start the dyeing process as per program sheet.</p> <p>Performance Criteria 5: Perform washing of dyed PC fabric.</p> <p>Performance Criteria 6: Record speed and machine dwell time on record sheet.</p>
	<p>Portfolios required at the time of assessment (if any) for</p> <p><u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton knitted fabric dyeing by Winch dyeing machine.</p> <p><u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for the 100% polyester knitted fabric dyeing by Soft flow dyeing machine.</p> <p><u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton woven fabric dyeing by Pad batch dyeing machine.</p> <p><u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton woven fabric pigment dyeing by Stenter machine.</p> <p><u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton yarn dyeing by Rope dyeing machine.</p>

Continued on following page

Assessment Task 2		Description of assessment task 2 Operate jet dyeing machine for Polyester portion dyeing.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Follow safety precautions as per job requirement.			
2	Load fabric on jet machine for dyeing as per program sheet.			
3	Set temperature, time and pressure for polyester portion dyeing on jet machine			
4	Run jet dyeing machine to start the dyeing process as per program sheet.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3 Perform RC (Reduction Clearing) on jet dyeing.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Arrange material for RC as per recipe.			
2	Ensure L:R and pH for RC as per recipe.			
3	Set temperature and time for RC on jet machine.			
4	Run jet dyeing machine to start the RC process as per program sheet.			
5	Perform washing and neutralizing dyed fabric			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 4 Prepare workstation for jigger dyeing.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Collect program sheet for cotton dyeing.			
2	Clean and clear jigger dyeing machine as per check list.			
3	Arrange material for dyeing process as per program sheet.			
4	Ensure L:R and pH for cotton dyeing as per recipe			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 5		Description of assessment task 5 Operate jigger dyeing machine for cotton portion dyeing.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1	Follow safety precautions as per job requirement.			
2	Load fabric on jigger machine for dyeing as per program sheet.			
3	Set temperature, time and speed for cotton portion dyeing on jigger machine			
4	Run jigger dyeing machine to start the dyeing process as per program sheet.			
5	Perform washing of dyed PC fabric.			
6	Record speed and machine dwell time on record sheet.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Portfolio(if any)		Description of portfolio Diary log of practical work		
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	<u>Performance criteria 1 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton knitted fabric dyeing by Winch dyeing machine.			
2	<u>Performance criteria 2 for the evaluation of portfolio:</u> Diary log of practical work for the 100% polyester knitted fabric dyeing by Soft flow dyeing machine.			
3	<u>Performance criteria 3 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton woven fabric dyeing by Pad batch dyeing machine.			
4	<u>Performance criteria 4 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton woven fabric pigment dyeing by Stenter machine.			
5	<u>Performance criteria 5 for the evaluation of portfolio:</u> Diary log of practical work for the 100% cotton yarn dyeing by Rope dyeing machine.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

