

# **Assessment Evidence Guide**

## **For**

### **“Textile Wet Processing”**

**Level-4**

**Perform Advance Dyeing Techniques**

**(Formative Assessment)**



**National Vocational & Technical  
Training Commission**

## Instruction Sheet for the Candidate

<b>Title of Qualification:</b>  National Vocational Certificate Level 4 in Textile Wet Processing (Assistant Supervisor)	<b>CS Code:</b>	<b>Level:</b> 04	<b>Version:</b> 01
<b>Competency Standard Title:</b> <ul style="list-style-type: none"> <li>• Perform Advance Dyeing Techniques</li> <li>• Establish and Maintain the Occupational Health and Safety System</li> <li>• Perform Advance Communication</li> <li>• Analyze with Workplace Policy and Procedures</li> </ul>	<b>Assessment Date (DD/MM/YY):</b>   <b>Assessment Time:</b>		

Candidate Details	Name: .....   Registration/Roll Number: .....
Guidance for Candidate	<p><b>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration &amp; assessment):</b></p> <p><b>Assessment Task 1:</b> Candidate is required to dye assigned Fabric, by using Continuous Dyeing Methods (Pad Thermosol and Pad Steam Dyeing)</p> <p><b>Assessment Task 2:</b> Candidate is required to dye assigned Fabric, by using Stenter Dyeing Machine</p> <p><b>Assessment Task 3:</b> Candidate is required to dye assigned Fabric, by using Soft Flow Dyeing Machine</p> <p><b>Assessment Task 4:</b> Candidate is required to dye assigned Fiber, by using Fiber Dyeing Machine</p> <p><b>Assessment Task 5:</b> Candidate is required to dye assigned Garment, by using Garment Dyeing Machine</p> <p><b>And complete:</b></p> <p><b>1. Knowledge assessment test (Written or Oral)</b></p>

	<b>2. Portfolios at the time of assessment (if any)</b>
Minimum Evidence Required	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 1</b></p> <p><b>Performance Criteria 1:</b> Interpret Specification Sheet/Processing Order (PO) for Dyeing</p> <p><b>Performance Criteria 2:</b> Arrange material for Dyeing process as per Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 3:</b> Load fabric on the Dyeing machine</p> <p><b>Performance Criteria 4:</b> Set Pad Thermosol Dyeing machine parameters as per Pad Thermosol Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 5:</b> Operate Pad Thermosol Dyeing machine for fabric dyeing</p> <p><b>Performance Criteria 6:</b> Maintain Record for Pad Thermosol Dyeing</p> <p><b>Performance Criteria 7:</b> Set Pad Steam Dyeing machine parameters as per Pad Steam Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 8:</b> Operate Pad Steam Dyeing machine for fabric dyeing</p> <p><b>Performance Criteria 9:</b> Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p><b>Performance Criteria 10:</b> Unload fabric from the Dyeing machine</p> <p><b>Performance Criteria 11:</b> Wash &amp; Neutralize dyed fabric as per Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 12:</b> Maintain Record for Pad Steam Dyeing</p>
	<p><b>Assessment Task 2</b></p> <p><b>Performance Criteria 1:</b> Set Stenter Dyeing machine parameters as per Stenter Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 2:</b> Operate Stenter Dyeing machine for fabric dyeing</p> <p><b>Performance Criteria 3:</b> Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p><b>Performance Criteria 4:</b> Maintain Record for Stenter Dyeing</p>

	<p><b>Assessment Task 3</b></p> <p><b>Performance Criteria 1:</b> Set Soft Flow Dyeing machine parameters as per Soft Flow Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 2:</b> Operate Soft Flow Dyeing machine for fabric dyeing</p> <p><b>Performance Criteria 3:</b> Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p><b>Performance Criteria 4:</b> Wash &amp; Neutralize dyed fabric as per Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 5:</b> Maintain Record for Soft Flow Dyeing</p>
	<p><b>Assessment Task 4</b></p> <p><b>Performance Criteria 1:</b> Set Garment Dyeing machine parameters as per Garment Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 2:</b> Operate Garment Dyeing machine for Garment dyeing</p> <p><b>Performance Criteria 3:</b> Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p><b>Performance Criteria 4:</b> Wash &amp; Neutralize dyed Garment as per Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 5:</b> Maintain Record for Dyed Garment</p>
	<p><b>Assessment Task 5</b></p> <p><b>Performance Criteria 1:</b> Operate Fiber Dyeing machine for Garment dyeing</p> <p><b>Performance Criteria 2:</b> Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p><b>Performance Criteria 3:</b> Wash &amp; Neutralize dyed Garment as per Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 4:</b> Maintain Record for Dyed Garment</p>
	<p><b>Portfolios required at the time of assessment (if any) for</b></p>

## Assessors Judgment Guide

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

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

## Observation Checklist

<b>Assessment Task 1</b>		<b>Description of Assessment Task 1</b> Candidate is required to dye assigned Fabric, by using Continuous Dyeing Methods (Pad Thermosol and Pad Steam Dyeing)		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO) for Dyeing			
2.	Arrange material for Dyeing process as per Specification Sheet/Processing Order (PO)			
3.	Load fabric on the Dyeing machine			
4.	Set Pad Thermosol Dyeing machine parameters as per Pad Thermosol Dyeing process requirement/Specification Sheet/Processing Order (PO)			
5.	Operate Pad Thermosol Dyeing machine for fabric dyeing			
6.	Maintain Record for Pad Thermosol Dyeing			
7.	Set Pad Steam Dyeing machine parameters as per Dyeing process requirement/Specification Sheet/Processing Order (PO)			
8.	Operate Pad Steam Dyeing machine for fabric dyeing			
9.	Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol			
10.	Unload fabric from the Dyeing machine			
11.	Wash & Neutralize dyed fabric as per Specification Sheet/Processing Order (PO)			
12.	Maintain Record for Pad Steam Dyeing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		
Each Assessment Task (with performance criteria)				

<b>Assessment Task 2</b>		<b>Description of Assessment Task 2</b> Candidate is required to dye assigned Fabric, by using Stenter Dyeing Machine		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Set Stenter Dyeing machine parameters as per Stenter Dyeing process requirement/Specification Sheet/Processing Order (PO)			
2.	Operate Stenter Dyeing machine for fabric dyeing			
3.	Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol			
4.	Maintain Record for Stenter Dyeing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		
Each Assessment Task (with performance criteria)				

<b>Assessment Task 3</b>		<b>Description of Assessment Task 3</b> Candidate is required to dye assigned Fabric, by using Soft Flow Dyeing Machine		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Set Soft Flow Dyeing machine parameters as per Soft Flow Dyeing process requirement/Specification Sheet/Processing Order (PO)			
2.	Operate Soft Flow Dyeing machine for fabric dyeing			
3.	Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol			
4.	Wash & Neutralize dyed fabric as per Specification Sheet/Processing Order (PO)			
5.	Maintain Record for Soft Flow Dyeing			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		
Each Assessment Task (with performance criteria)				

<b>Assessment Task 4</b>		<b>Description of Assessment Task 4</b> Assessment Task 4: Candidate is required to dye assigned Fiber, by using Fiber Dyeing Machine		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Set Garment Dyeing machine parameters as per Garment Dyeing process requirement/Specification Sheet/Processing Order (PO)			
2.	Operate Garment Dyeing machine for Garment dyeing			
3.	Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol			
4.	Wash & Neutralize dyed Garment as per Specification Sheet/Processing Order (PO)			
5.	Maintain Record for Dyed Garment			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		
Each Assessment Task (with performance criteria)				

<b>Assessment Task 5</b>		<b>Description of Assessment Task 5</b> Assessment Task 5: Candidate is required to dye assigned Garment, by using Garment Dyeing Machine		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Operate Fiber Dyeing machine for Garment dyeing			
2.	Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol			
3.	Wash & Neutralize dyed Garment as per Specification Sheet/Processing Order (PO)			
4.	Maintain Record for Dyed Garment			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		
Each Assessment Task (with performance criteria)				



## Knowledge Assessment

<b>Title of Qualification:</b> National Vocational Certificate Level 4 in Textile Wet Processing (Assistant Supervisor)	<b>CS Code:</b>	<b>Level:</b> 04	<b>Version:</b> 01
<b>Competency Standard Title:</b> <ul style="list-style-type: none"> <li>Perform Advance Dyeing Techniques</li> <li>Establish and Maintain the Occupational Health and Safety System</li> <li>Perform Advance Communication</li> <li>Analyze with Workplace Policy and Procedures</li> </ul>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time:</b> 30 min		

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

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

<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
<b>1.</b> Which type of fiber is used for Pad Thermosol method?	The Thermosol method is popular for dyeing the polyester component in cotton/polyester fabrics.
<b>2.</b> Which type of fiber is used for Pad Steam Dyeing?	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

<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
<b>3.</b> What types of dyes are used for dyeing?	Fiber Reactive Dyes. Fiber Reactive Dyes. Direct Dyes. Direct Dyes. Acid Dyes. Acid Dyes All-Purpose Dyes. All-Purpose Dyes. Natural Dyes. Natural Dyes. VAT Dyes. VAT Dyes. Disperse Dyes. Disperse Dyes. Azoic Dyes. Azoic Dyes.
<b>4.</b> Write any 2 advantages of Soft Flow Dyeing	<b>1.</b> It minimizes creasing as the fabric is not held in any one configuration for very long. The lower liquor ration allows shorter dye cycles and saves chemicals and energy. <b>2.</b> In soft flow dyeing machines the fabric is transported by a stream of dye liquor.
<b>5.</b> Explain Pad Steam Dyeing process.	Pad-Steam dyeing is a process of continuous dyeing in which the fabric in open width is padded with dyestuff and is then steamed.
<b>6.</b> Write the any three application of ethic?	
<b>7.</b> Enlist any five Verbal communication techniques?	
<b>8.</b> Model of Communication S MCR is stands for?	

# **Assessment Evidence Guide**

**For**

## **“Textile Wet Processing”**

**Level-4**

**Implement the Design**

**(Formative Assessment)**



**National Vocational & Technical  
Training Commission**

## Instruction Sheet for the Candidate

<b>Title of Qualification:</b> National Vocational Certificate Level 4 in Textile Wet Processing (Assistant Supervisor)	<b>CS Code:</b>	<b>Level:</b> 04	<b>Version:</b> 01
<b>Competency Standard Title:</b> <ul style="list-style-type: none"> <li>• Implement Design</li> <li>• Establish and Maintain the Occupational Health and Safety System</li> <li>• Perform Advance Communication</li> <li>• Analyze with Workplace Policy and Procedures</li> </ul>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time :</b>		

Candidate Details	Name: .....  Registration/Roll Number: .....
Guidance for Candidate	<p><b>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration &amp; assessment):</b></p> <ol style="list-style-type: none"> <li><b>1. Assessment Task 1:</b> Candidate is required to evaluate the Design, given by assessor and prepare Specification Sheet/PO accordingly.</li> <li><b>2. Assessment Task 2:</b> Candidate is required to prepare Strike-Off as per Design File, given by assessor and prepare Final Design Sampling Report</li> </ol> <p><b>And complete:</b></p> <ol style="list-style-type: none"> <li><b>3. Knowledge assessment test (Written or Oral)</b></li> <li><b>4. Portfolios at the time of assessment (if any)</b></li> </ol>

Minimum Evidence Required	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 1</b></p> <p><b>Performance Criteria 1:</b> Prepare Processing Order (PO) for designing as per required standards</p> <p><b>Performance Criteria 2:</b> Plan designing as per required parameter</p> <p><b>Performance Criteria 3:</b> Calculate material required for given design</p> <p><b>Performance Criteria 4:</b> Verify material for designing as per Specification Sheet/Processing Order (PO)</p>
	<p><b>Assessment Task 2</b></p> <p><b>Performance Criteria 1:</b> Verify design parameters as per requirement</p> <p><b>Performance Criteria 2:</b> Execute required design to produce screens for fabric printing</p> <p><b>Performance Criteria 3:</b> Manage quality parameters during designing according to Specification Sheet/Processing Order (PO)</p> <p>You must be able to:</p> <p><b>Performance Criteria 4:</b> Verify design accuracy with standard design</p> <p><b>Performance Criteria 5:</b> Match shade of Strike-Off as per Standard Design File and make corrections accordingly</p> <p><b>Performance Criteria 6:</b> Send final design for the production, on set parameters, according to PO</p> <p><b>Performance Criteria 7:</b> Inspect design portfolio to maintain the design record for future assignments</p> <p><b>Performance Criteria 8:</b> Take corrective actions for any issues concerned with quality of design according to requirement.</p> <p><b>Performance Criteria 9:</b> Prepare Final Design Sampling Report</p>

## Assessors Judgment Guide

(To be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

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

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

## Observation Checklist

<b>Assessment Task 1</b>		<b>Description of Assessment Task 1</b> Candidate is required to evaluate the Design, given by assessor and prepare Specification Sheet/PO accordingly.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Prepare Processing Order (PO) for designing as per required standards			
2.	Plan designing as per required parameter			
3.	Calculate material required for given design			
4.	Verify material for designing as per Specification Sheet/Processing Order (PO)			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Assessment Task 2</b>		<b>Description of Assessment Task 2</b> Candidate is required to prepare Strike-Off as per Design File, given by assessor and prepare Final Design Sampling Report		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Verify design parameters as per requirement			
2.	Execute required design to produce screens for fabric printing			
3.	Manage quality parameters during designing according to Specification Sheet/Processing Order (PO)			
4.	Verify design accuracy with standard design			
5.	Match shade of Strike-Off as per Standard Design File and make corrections accordingly			
6.	Send final design for the production, on set parameters, according to PO			
7.	Inspect design portfolio to maintain the design record for future assignments			
8.	Take corrective actions for any issues concerned with quality of design according to requirement.			
9.	Prepare Final Design Sampling Report			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

## Knowledge Assessment

<b>Title of Qualification:</b> National Vocational Certificate Level 4 in Textile Wet Processing (Assistant Supervisor)	<b>CS Code:</b>	<b>Level:</b> 04	<b>Version:</b> 01
<b>Competency Standard Title:</b> <ul style="list-style-type: none"> <li>Implement Design</li> <li>Establish and Maintain the Occupational Health and Safety System</li> <li>Perform Advance Communication</li> <li>Analyze with Workplace Policy and Procedures</li> </ul>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time :</b> 30 min		

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

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

<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
<b>1.</b> Write main types of Repeat Patterns.	<b>1.</b> Block Repeat (Rectilinear Repeats) <b>2.</b> Offset Repeat. Brick/Half Brick (Staggered Horizontal Repeat) Drop/Half Drop (Staggered Vertical Repeat) <b>3.</b> Mirror Repeat. <b>4.</b> Diamond Repeat.
<b>2.</b> What is Fabric Strike-Off ?	A strike-off is a digital fabric printing sample that allows you to test artworks, colours and fabric choices before proceeding with anything final.



<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
<b>3.</b> What is the difference between design and pattern?	A pattern is a recognized sequence. Design is the conscious control of, or the manipulative arrangements of patterns for a desired outcome or result.
<b>4.</b> What is the difference between Full Drop and Half Drop Repeat?	Full drop repeats can sometimes be very obvious, especially when using large or bold design elements. A half drop repeat helps conceal the repeat in the finished product.
<b>5.</b> Write at least 7-8 faults in screen printing	<ol style="list-style-type: none"> <li><b>1.</b> Choking of screens.</li> <li><b>2.</b> Misfitting of the design.</li> <li><b>3.</b> Stains.</li> <li><b>4.</b> Conveyor stain.</li> <li><b>5.</b> Blanket stain.</li> <li><b>6.</b> Misprint or no print on selvedge.</li> <li><b>7.</b> Design not washed out properly.</li> <li><b>8.</b> Slippage on the cloth.</li> </ol>
<b>6.</b> What are Design Calculations?	A Process Design Calculation is a deliverable document of the Detailed Design and Engineering developed by a Process discipline.
<b>7.</b> Enlist any five Verbal communication techniques?	
<b>8.</b> Enlist non-verbal communication techniques?	

# **Assessment Evidence Guide**

**For**

## **“Textile Wet Processing”**

**Level-4**

**Perform Advance Fabric Printing**

**(Formative Assessment)**



**National Vocational & Technical  
Training Commission**

## Instruction Sheet for the Candidate

<b>Title of Qualification:</b> National Vocational Certificate Level 4 in Textile Wet Processing (Assistant Supervisor)	<b>CS Code:</b>	<b>Level:</b> 04	<b>Version:</b> 01
<b>Competency Standard Title:</b> <ul style="list-style-type: none"> <li>• Perform Advance Fabric Printing</li> <li>• Establish and Maintain the Occupational Health and Safety System</li> <li>• Perform Advance Communication</li> <li>• Analyze with Workplace Policy and Procedures</li> </ul>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time :</b>		

Candidate Details	Name: .....  Registration/Roll Number: .....
Guidance for Candidate	<p><b>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration &amp; assessment):</b></p> <ol style="list-style-type: none"> <li><b>1. Assessment Task 1:</b> Candidate is required to print assigned fabric, by using Digital Printing Machine and prepare a report using MS Office</li> <li><b>2. Assessment Task 2:</b> Candidate is required to print assigned fabric, by using Sublimation Printing Machine and prepare a report using MS Office</li> </ol> <p><b>And complete:</b></p> <ol style="list-style-type: none"> <li><b>3. Knowledge assessment test (Written or Oral)</b></li> <li><b>4. Portfolios at the time of assessment (if any)</b></li> </ol>

Minimum Evidence Required	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 1</b></p> <p><b>Performance Criteria 1:</b> Interpret of Specification Sheet/Processing Order (PO) for Printing</p> <p><b>Performance Criteria 2:</b> Arrange material for Digital Printing process as per Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 3:</b> Operate Digital Printing machine</p> <p><b>Performance Criteria 4:</b> Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p><b>Performance Criteria 5:</b> Maintain Record for Digital Printed Fabric</p>
	<p><b>Assessment Task 2</b></p> <p><b>Performance Criteria 1:</b> Arrange paper material for Sublimation Printing process as per Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 2:</b> Operate Sublimation Printing machine</p> <p><b>Performance Criteria 3:</b> Maintain temperature as per requirement</p> <p><b>Performance Criteria 4:</b> Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p><b>Performance Criteria 5:</b> Maintain Record for Sublimation Printed Fabric</p>

## Assessors Judgment Guide

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

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

## Observation Checklist

Each Assessment Task (with performance criteria)				
<b>Assessment Task 1</b>		<b>Description of Assessment Task 1</b> Assessment Task 1: Candidate is required to print assigned fabric, by using Digital Printing Machine and prepare a report using MS Office.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret of Specification Sheet/Processing Order (PO) for Printing			
2.	Arrange material for Digital Printing process as per Specification Sheet/Processing Order (PO)			
3.	Operate Digital Printing machine			
4.	Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol			
5.	Maintain Record for Digital Printed Fabric			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Assessment Task 2</b>		<b>Description of Assessment Task 2</b> Candidate is required to print assigned fabric, by using Sublimation Printing Machine and prepare a report using MS Office		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Arrange paper material for Sublimation Printing process as per Specification Sheet/Processing Order (PO)			
2.	Operate Sublimation Printing machine			
3.	Maintain temperature as per requirement			
4.	Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol			
5.	Maintain Record for Sublimation Printed Fabric			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

## Knowledge Assessment

<b>Title of Qualification:</b> National Vocational Certificate Level 4 in Textile Wet Processing (Assistant Supervisor)	<b>CS Code:</b>	<b>Level:</b> 04	<b>Version:</b> 01
<b>Competency Standard Title:</b> <ul style="list-style-type: none"> <li>Perform Advance Fabric Printing</li> <li>Establish and Maintain the Occupational Health and Safety System</li> <li>Perform Advance Communication</li> <li>Analyze with Workplace Policy and Procedures</li> </ul>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time :</b> 30 min		

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

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

<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
<b>1.</b> What is the difference between Sublimation and Digital Printing?	Digital prints are printed on the surface of the material, whereas dye sublimation is infused into the material.
<b>2.</b> What is digital printing technology?	Digital printing is the process of printing digital-based images directly onto a variety of media substrates.
<b>3.</b> What are the advantages and disadvantages of sublimation process?	It doesn't permit liquids to drain onto floors, cause stains, or get into sewage systems. It has the disadvantage of making the substance harder to work with.

<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
<b>4.</b> What materials does sublimation work on?	Polyester, polymer or polymer coated item, materials such 100% cotton are not suitable as the natural fibers have no pores to open to accept the image.
<b>5.</b> What are two important parts of digital printing?	The two most common digital printing methods in use today are Electrophotographic (toner based) and inkjet (ink based).
<b>6.</b> How does Sublimation Printer works?	The inks that are used turn into gas when brought under heat, then combine with the fabric and permanently print onto the fabric.
<b>7.</b> What is effective communication?	
<b>8.</b> Enlist any five verbal communication techniques	
<b>9.</b> Enlist non-verbal communication techniques	
<b>10.</b> State importance of cleaning tools and equipment's?	



# **Assessment Evidence Guide**

**For**

## **“Textile Wet Processing”**

**Level-4**

**Perform Finishing Processes**

**(Formative Assessment)**



**National Vocational & Technical  
Training Commission**

## Instruction Sheet for the Candidate

<b>Title of Qualification:</b>  National Vocational Certificate Level 4 in Textile Wet Processing (Assistant Supervisor)	<b>CS Code:</b>	<b>Level:</b> 04	<b>Version:</b> 01
<b>Competency Standard Title:</b> <ul style="list-style-type: none"> <li>• Perform Finishing Processes</li> <li>• Establish and Maintain the Occupational Health and Safety System</li> <li>• Perform Advance Communication</li> <li>• Analyze with Workplace Policy and Procedures</li> </ul>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time :</b>		

Candidate Details	Name: .....  Registration/Roll Number: .....
Guidance for Candidate	<p><b>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration &amp; assessment):</b></p> <ol style="list-style-type: none"> <li><b>Assessment Task 1:</b> Candidate is required to perform Calendering and Compaction of assigned fabric as per requirement</li> <li><b>Assessment Task 2:</b> Candidate is required to perform following finishing processes on assigned fabrics as per requirement: <ul style="list-style-type: none"> <li>○ Water Repellent Finish</li> <li>○ Anti-static Finish</li> <li>○ Soil Repellent/Soil Release Finish</li> <li>○ Stain Repellent</li> <li>○ Flame Resistant/Fire Retardant Finish</li> <li>○ Anti-Microbial Finish</li> <li>○ Coating</li> </ul> </li> </ol> <p><b>And complete:</b></p> <ol style="list-style-type: none"> <li><b>Knowledge assessment test (Written or Oral)</b></li> <li><b>Portfolios at the time of assessment (if any)</b></li> </ol>

Minimum Evidence Required	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 1</b></p> <p><b>Performance Criteria 1:</b> Interpret Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 2:</b> Perform Calendering of the fabric by operating Calendering machine</p> <p><b>Performance Criteria 3:</b> Perform Compaction of the fabric by operating Compaction machine</p> <p><b>Performance Criteria 4:</b> Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p><b>Performance Criteria 5:</b> Maintain record</p>
	<p><b>Assessment Task 2</b></p> <p><b>Performance Criteria 1:</b> Perform Water Repellent Finish</p> <p><b>Performance Criteria 2:</b> Perform Anti-static Finish</p> <p><b>Performance Criteria 3:</b> Perform Soil Repellent/Soil Release Finish</p> <p><b>Performance Criteria 4:</b> Perform Stain Repellent</p> <p><b>Performance Criteria 5:</b> Perform Flame Resistant/Fire Retardant Finish</p> <p><b>Performance Criteria 6:</b> Perform Anti-Microbial Finish</p> <p><b>Performance Criteria 7:</b> Perform Coating</p>

## Assessors Judgment Guide

(to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

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

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

## Observation Checklist

<b>Assessment Task 1</b>		<b>Description of Assessment Task 1</b>		
		Candidate is required to perform Calendaring and Compaction of assigned fabric as per requirement		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO)			
2.	Perform Calendaring of the fabric by operating Calendaring machine			
3.	Perform Compaction of the fabric by operating Compaction machine			
4.	Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol			
5.	Maintain record			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Assessment Task 2</b>		<b>Description of Assessment Task 2</b>		
		Candidate is required to perform following finishing processes on assigned fabrics as per requirement: <ul style="list-style-type: none"> <li>○ Water Repellent Finish</li> <li>○ Anti-static Finish</li> <li>○ Soil Repellent/Soil Release Finish</li> <li>○ Stain Repellent</li> <li>○ Flame Resistant/Fire Retardant Finish</li> <li>○ Anti-Microbial Finish</li> <li>○ Coating</li> </ul>		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Perform Water Repellent Finish			
2.	Perform Anti-static Finish			
3.	Perform Soil Repellent/Soil Release Finish			
4.	Perform Stain Repellent			
5.	Perform Flame Resistant/Fire Retardant Finish			
6.	Perform Anti-Microbial Finish			
7.	Perform Coating			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

## Knowledge Assessment

<b>Title of Qualification:</b> National Vocational Certificate Level 4 in Textile Wet Processing (Assistant Supervisor)	<b>CS Code:</b>	<b>Level:</b> 04	<b>Version:</b> 01
<b>Competency Standard Title:</b> <ul style="list-style-type: none"> <li>Perform Finishing Processes</li> <li>Establish and Maintain the Occupational Health and Safety System</li> <li>Perform Advance Communication</li> <li>Analyze with Workplace Policy and Procedures</li> </ul>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time :</b> 30 min		

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

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

<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
<b>1.</b> What is the use of Calendering?	It is a finishing process used to smooth, coat, or thin a material. With textiles, fabric is passed between calender rollers at high temperatures and pressures.
<b>2.</b> What are the different types of Calendering?	<ul style="list-style-type: none"> <li>Swizzing Calender.</li> <li>Chasing Calender.</li> <li>Compaction Calender.</li> <li>Embossing Calender.</li> <li>Friction Calender.</li> <li>Schreiner Calender.</li> </ul>

<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	
<b>3.</b> What is the purpose of Calendering finish?	The main purpose of Calendering is to provide a smooth fabric surface, light luster, and improved hand.
<b>4.</b> What are the advantages of Fabric Compaction?	<ul style="list-style-type: none"> <li>• Eliminate over and underweight fabric.</li> <li>• Reduce or eliminate punch weight measurements.</li> <li>• Provide consistent results from all operators.</li> <li>• Result in uniform fabric, seam to seam.</li> <li>• Yield predictable residual shrinkage.</li> </ul>
<b>5.</b> What is antimicrobial finish on fabric?	This finish prevents the growth of bacteria and products finished in it have been proved environment friendly and health protecting, preventing diseases.
<b>6.</b> What is the purpose of anti-static finish?	Antistatic finish is used for the removal in synthetic fibers of the unwanted effects of electrostatic charge produced during production and wear of fabrics and knits.
<b>7.</b> What is 5C's of effective communication?	
<b>8.</b> Enlist any five Verbal communication techniques	
<b>9.</b> Enlist non-verbal communication techniques	
<b>10.</b> What is the basic safe handling method for measuring instruments?	

# **Assessment Evidence Guide**

## **For**

# **“Textile Wet Processing”**

### **Level-4**

**(Summative Assessment-1)**



**National Vocational & Technical  
Training Commission**



## Instruction Sheet for the Candidate

<b>Title of Qualification:</b> National Vocational Certificate Level 4 in Textile Wet Processing (Assistant Supervisor)	<b>CS Code:</b>	<b>Level:</b> 04	<b>Version:</b> 01
<b>Competency Standard Title:</b> <ul style="list-style-type: none"> <li>• Establish and maintain the occupational Health and safety system</li> <li>• Perform Advance communication</li> <li>• Analyse Workplace Policies and Procedures</li> <li>• Perform Advance Dyeing Techniques</li> <li>• Implement the Design</li> <li>• Perform Finishing Processes</li> </ul>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time :</b> 30 min		

Candidate Details	Name: .....  Registration/Roll Number: .....
Guidance for Candidate	<p><b>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration &amp; assessment):</b></p> <p><b>1. Assessment Task 1:</b> Candidate is required to dye assigned fabric, by using Thermosol Pad Dyeing Method, perform Water Repellent Finish and also perform Calendaring and Compaction as per requirement.</p> <p><b>And complete:</b></p> <p><b>2. Knowledge assessment test (Written or Oral)</b></p> <p><b>3. Portfolios at the time of assessment (if any)</b></p>

Minimum Evidence Required	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 1</b></p> <p><b>Performance Criteria 1:</b> Interpret Specification Sheet/Processing Order (PO) Pad Thermosol Dyeing</p> <p><b>Performance Criteria 2:</b> Arrange material for Pad Thermosol Dyeing process as per Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 3:</b> Load fabric on the Pad Thermosol Dyeing machine</p> <p><b>Performance Criteria 4:</b> Set Pad Thermosol Dyeing machine parameters as per Pad Thermosol Dyeing process requirement/Specification Sheet/Processing Order (PO)</p> <p><b>Performance Criteria 5:</b> Operate Pad Thermosol Dyeing machine for fabric dyeing</p> <p><b>Performance Criteria 6:</b> Unload fabric from the Dyeing machine</p> <p><b>Performance Criteria 7:</b> Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol</p> <p><b>Performance Criteria 8:</b> Maintain Record for Pad Thermosol Dyeing</p> <p><b>Performance Criteria 9:</b> Perform Calendering of the fabric by operating Calendering machine</p> <p><b>Performance Criteria 10:</b> Perform Compaction of the fabric by operating Compaction machine</p> <p><b>Performance Criteria 11:</b> Perform Water Repellent Finish</p>
---------------------------	--

## Assessors Judgment Guide

(to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

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

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

## Observation Checklist

<b>Assessment Task 1</b>		<b>Description of Assessment Task 1</b> Candidate is required to dye assigned fabric, by using Thermosol Pad Dyeing Method, perform Water Repellent Finish and also perform Calendaring and Compaction as per requirement.		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret Specification Sheet/Processing Order (PO) Pad Thermosol Dyeing			
2.	Arrange material for Pad Thermosol Dyeing process as per Specification Sheet/Processing Order (PO)			
3.	Load fabric on the Pad Thermosol Dyeing machine			
4.	Set Pad Thermosol Dyeing machine parameters as per Pad Thermosol Dyeing process requirement/Specification Sheet/Processing Order (PO)			
5.	Operate Pad Thermosol Dyeing machine for fabric dyeing			
6.	Unload fabric from the Dyeing machine			
7.	Maintain quality parameters during process according to Specification Sheet/Processing Order (PO) /protocol			
8.	Maintain Record for Pad Thermosol Dyeing			
9.	Perform Calendaring of the fabric by operating Calendaring machine			
10.	Perform Compaction of the fabric by operating Compaction machine			
11.	Perform Water Repellent Finish			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Portfolio</b>		<b>Description of Portfolio</b> Candidate is required to present a portfolio including:		
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.	File/folder of Perform Advance Dyeing Techniques			
2.	File/folder of Implement the Design			
3.	File/folder of Perform Finishing Processes			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

