

## Qualification Pack



# Ring Frame Tenter

QP Code: TSC/Q0201

Version: 3.0

NSQF Level: 3

Textile Sector Skill Council || 14-H, 14th Floor, Hansalaya Building, 15, Barakhamba Road  
New Delhi - 110001

## Qualification Pack

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## TSC/Q0201: Ring Frame Tenter

### Brief Job Description

A ring frame tenter is responsible for carrying out tenting activities in a ring frame machine. A ring frame tenter should be able to creel the roving bobbin, piece the yarn and carry out routine cleaning and preventive maintenance activities to produce defect free yarn and ensure quality ring cops are produced in ring frame machine. This job requires the individual to have thorough knowledge of process flow and material flow in a spinning mill for yarn production and should know about the important functions and operations of a ring frame machine.

### Personal Attributes

A ring frame tenter should have good eyesight, hand-eye-leg coordination, motor skills and vision. He/she should also have good interpersonal skills.

### Applicable National Occupational Standards (NOS)

#### Compulsory NOS:

1. [TSC/N0201: Taking charge of shift and handing over shift to Ring Frame Tenter](#)
2. [TSC/N0202: Creeling the roving bobbin at Ring Frame](#)
3. [TSC/N0203: Piecing the broken yarn at Ring Frame](#)
4. [TSC/N0204: Carryout cleaning activities at Ring Frame](#)
5. [TSC/N9001: Maintain work area, tools, and machines](#)
6. [TSC/N9002: Working in a team](#)
7. [TSC/N9003: Maintain health, safety and security at workplace](#)
8. [TSC/N9004: Comply with industry and organizational requirement](#)
9. [DGT/VSQ/N0101: Employability Skills \(30 Hours\)](#)

### Qualification Pack (QP) Parameters

<b>Sector</b>	Textile
<b>Sub-Sector</b>	Spinning - Textiles

## Qualification Pack

<b>Occupation</b>	Spinning
<b>Country</b>	India
<b>NSQF Level</b>	3
<b>Credits</b>	11
<b>Aligned to NCO/ISCO/ISIC Code</b>	NCO-2015/8151.06
<b>Minimum Educational Qualification &amp; Experience</b>	9th Class (with No Experience (OR) Grade 8 pass and pursuing continuous schooling in regular school with vocational subject with no experience (OR) 8th grade pass with 1 year of relevant experience (OR) 5th grade pass with 4 years of relevant experience (OR) Ability to read and write with 5 years of experience)
<b>Minimum Level of Education for Training in School</b>	
<b>Pre-Requisite License or Training</b>	NA
<b>Minimum Job Entry Age</b>	18 Years
<b>Last Reviewed On</b>	NA
<b>Next Review Date</b>	30/09/2024
<b>NSQC Approval Date</b>	17/11/2022
<b>Version</b>	3.0
<b>Reference code on NQR</b>	2022/TEXT/TSC/07051
<b>NQR Version</b>	1.0

## Qualification Pack

# TSC/N0201: Taking charge of shift and handing over shift to Ring Frame Tenter

## Description

This unit is about taking charge of shift from previous shift Ring Frame Tenter and relieving the responsibilities to the next shift Ring Frame Tenter

## Scope

The scope covers the following :

- Taking charge of shift from Ring Frame Tenter
- Handing over shift to Ring Frame Tenter

## Elements and Performance Criteria

### *Taking charge of shift from Ring Frame Tenter*

To be competent, the user/individual on the job must be able to:

1. come atleast 10 - 15 minutes earlier to the work spot
2. bring the necessary operational tools to the department
3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality or production, spare, safety or any other specific instruction etc.
4. understand the count produced, colour coding, followed in the ring frames for his allocated number of spindles or machines
5. ensure the technical details are mentioned in the display board in the ring frame machine
6. check for the availability of the spare roving bobbins
7. check the availability of bobbin trolley with technical details mentioned regarding the count being produced
8. check the condition of running travellers
9. check the roving passage and yarn formation
10. check for the run outs & availability of the roving bobbins
11. ensure that all spindles are running properly, if not should be enquired for and the reason for idle spindle reported to the superiors regarding the same
12. check the condition of different running cops
13. ensure proper functioning of ring frame machine parts and machine
14. ensure that all allocated spindles are running with uniform length of yarn on cop, variations if any should be discussed with operator and reported to superiors
15. check the condition of running spindles, damages if any should be reported to the superior
16. check the cleanliness of the machines & other work areas
17. check for any spare/raw material/ tool / yarn / any other material thrown under the machines or in the other work areas.
18. question the previous shift operator for any deviation in the above and should bring the same to the knowledge of his/ her shift superior as well as that of the previous shift.

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19. ensure that there is no roller lapping in ring frame
20. remove the roller lapping manually if any without damaging the cots
21. in case of burnt out travellers, ensure that only the correct size of traveller is used for replacement
22. ensure the wastes collection boxes are empty while taking charge of shift
23. ensure the ohtc is working properly
24. ensure the work spot is clean
25. take over the shift from the outgoing ring frame tenter in a proper manner

### *Handing over shift to Ring Frame Tenter*

To be competent, the user/individual on the job must be able to:

26. ensure in providing the details regarding count produced, colour coding followed in the ring frames for his allocated number of spindles or machines
27. provide all relevant information regarding the count produced, idle spindles, damaged machine parts if any
28. get clearance from the incoming counterpart before leaving the work spot
29. report to his/ her shift superiors as well as that of the incoming shift in case his/ her counterpart doesn't report for the incoming shift
30. ensure, the shift has to be properly handed over to the incoming shift operator
31. report to his/ her shift superior about the quality / production / safety issues/any other issue faced in his/ her shift and should leave the department only after getting concurrence for the same from his/ her superiors
32. collect the wastes from waste collection bags, weigh them and transport to storage area
33. ensure the work spot is clean

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard operating procedures (SOP) and regulations in a spinning mill
- KU2.** safe working practices to be adopted in spinning mill
- KU3.** quality systems and other processes practiced in the spinning mill
- KU4.** reporting to the supervisor or higher authority in case of emergency
- KU5.** color coding adopted for different counts in the spinning mill
- KU6.** Understanding the importance of : types of fibres, roving hank, importance of roving quality, types of roving defects, types of yarn, yarn count, types of yarn defects
- KU7.** process flow in a spinning mill
- KU8.** material flow in a spinning mill
- KU9.** importance of mixing & count change
- KU10.** functions of different parts of ring frame machine
- KU11.** importance of colour coding followed for different counts in spinning mill
- KU12.** knowledge of waste collection system & equipments used
- KU13.** importance of material handling and types of material handling equipments used



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- KU14.** functions and methodology for operating different material handling equipments
- KU15.** guidelines for operating the ring frame machine
- KU16.** guidelines for taking charge of shift from previous shift Ring Frame Tenter guidelines for handing over the shift to the next shift Ring Frame Tenter importance of cleanliness at workplace
- KU17.** safety procedures to be followed in a ring frame machine

### Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write clear and short sentences
- GS2.** comprehend written instructions
- GS3.** communicate with supervisor appropriately
- GS4.** talk to others to convey information effectively
- GS5.** apply problem-solving approaches in different situations
- GS6.** refer anomalies to the supervisor
- GS7.** seek clarification on problems from others
- GS8.** apply good attention to detail
- GS9.** check your work is complete and free from errors
- GS10.** patrol around the ring frame machine and identify roving breakage or bobbin exhaust
- GS11.** operate different material handling tools and equipments
- GS12.** patrol around the ring frame departments and identifying worn out or damaged machine parts
- GS13.** check the quality of ring cops, roving bobbins, proper functioning of machine parts in ring frame machine
- GS14.** maintenance of neatness at work place

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Taking charge of shift from Ring Frame Tenter</i>	<b>25</b>	<b>30</b>	-	<b>19</b>
1. come atleast 10 - 15 minutes earlier to the work spot	1	1	-	1
2. bring the necessary operational tools to the department	1	1	-	1
3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality or production, spare, safety or any other specific instruction etc.	1	1	-	2
4. understand the count produced, colour coding, followed in the ring frames for his allocated number of spindles or machines	1	1	-	1
5. ensure the technical details are mentioned in the display board in the ring frame machine	1	2	-	-
6. check for the availability of the spare roving bobbins	1	1	-	-
7. check the availability of bobbin trolley with technical details mentioned regarding the count being produced	1	1	-	-
8. check the condition of running travellers	1	1	-	-
9. check the roving passage and yarn formation	1	1	-	1
10. check for the run outs & availability of the roving bobbins	1	1	-	1
11. ensure that all spindles are running properly, if not should be enquired for and the reason for idle spindle reported to the superiors regarding the same	1	2	-	1
12. check the condition of different running cops	1	2	-	1
13. ensure proper functioning of ring frame machine parts and machine	1	2	-	1



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
14. ensure that all allocated spindles are running with uniform length of yarn on cop, variations if any should be discussed with operator and reported to superiors	1	1	-	1
15. check the condition of running spindles, damages if any should be reported to the superior	1	1	-	-
16. check the cleanliness of the machines & other work areas	1	1	-	-
17. check for any spare/raw material/ tool / yarn / any other material thrown under the machines or in the other work areas.	1	1	-	1
18. question the previous shift operator for any deviation in the above and should bring the same to the knowledge of his/ her shift superior as well as that of the previous shift.	1	1	-	1
19. ensure that there is no roller lapping in ring frame	1	1	-	1
20. remove the roller lapping manually if any without damaging the cots	1	1	-	1
21. in case of burnt out travellers, ensure that only the correct size of traveller is used for replacement	1	1	-	1
22. ensure the wastes collection boxes are empty while taking charge of shift	1	1	-	1
23. ensure the ohtc is working properly	1	2	-	-
24. ensure the work spot is clean	1	1	-	1
25. take over the shift from the outgoing ring frame tenter in a proper manner	1	1	-	1
<i>Handing over shift to Ring Frame Tenter</i>	<b>8</b>	<b>6</b>	-	<b>12</b>
26. ensure in providing the details regarding count produced, colour coding followed in the ring frames for his allocated number of spindles or machines	1	1	-	1

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
27. provide all relevant information regarding the count produced, idle spindles, damaged machine parts if any	1	-	-	2
28. get clearance from the incoming counterpart before leaving the work spot	1	-	-	2
29. report to his/ her shift superiors as well as that of the incoming shift in case his/ her counterpart doesn't report for the incoming shift	1	1	-	2
30. ensure, the shift has to be properly handed over to the incoming shift operator	1	1	-	1
31. report to his/ her shift superior about the quality / production / safety issues/any other issue faced in his/ her shift and should leave the department only after getting concurrence for the same from his/ her superiors	1	1	-	2
32. collect the wastes from waste collection bags, weigh them and transport to storage area	1	1	-	1
33. ensure the work spot is clean	1	1	-	1
<b>NOS Total</b>	<b>33</b>	<b>36</b>	<b>-</b>	<b>31</b>

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### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N0201
<b>NOS Name</b>	Taking charge of shift and handing over shift to Ring Frame Tenter
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Spinning
<b>Occupation</b>	Spinning
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	30/09/2021
<b>Next Review Date</b>	30/09/2024
<b>NSQF Clearance Date</b>	17/11/2022

## Qualification Pack

### TSC/N0202: Creeling the roving bobbin at Ring Frame

#### Description

This unit is about carrying out procedure for carrying out creeling activities in the event of a roving bobbin exhaust and piecing roving breakage

#### Scope

The scope covers the following :

- attending the machine for creeling
- piecing the broken roving
- material handling of the roving
- checking the quality of piecing

#### Elements and Performance Criteria

##### *Attending the machine for creeling*

To be competent, the user/individual on the job must be able to:

1. bring the roving bobbin from storage area using bobbin trolley
2. ensure correct colour coded bobbins are taken to ring frame section
3. identify roving bobbin exhausts and removing the empty bobbin
4. replace exhausted roving bobbin with suitable bobbins on the creel from the reserve holder / trolley
5. ensure that colour coding of feed in the creel is correct
6. creel the full roving bobbin
7. ensure proper passage of roving
8. ensure that minimum time is taken for attending the roving breakage

##### *Piecing the broken roving*

To be competent, the user/individual on the job must be able to:

9. ensure that the roving passes through the creeling section without affecting the quality of roving
10. draw the roving end with minimum waste and then piece up the yarn
11. ensure proper length of roving is available for piecing
12. piece the broken roving together in the event of roving breakage at creel section
13. ensure standard piecing procedure is adopted and quality and size of piecing is within the standards
14. keep the roving waste in the waste collection pocket provided to each tenter and then put in the waste collection box
15. ensure minimum time is taken for piecing the roving

##### *Material handling of the roving*

To be competent, the user/individual on the job must be able to:

16. properly handle the roving and roving bobbin

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17. ensure roving surface doesn't get damaged

### *Checking the quality of piecing*

To be competent, the user/individual on the job must be able to:

- 18. verify the quality of piecing done in the roving
- 19. ensure roving tension in the creeling section is appropriate
- 20. ensure proper functioning of the machine

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard operating procedures (SOP) and regulations in a spinning mill
- KU2.** safe working practices to be adopted in spinning mill
- KU3.** quality systems and other processes practiced in the spinning mill
- KU4.** reporting to the supervisor or higher authority in case of emergency
- KU5.** color coding adopted for different counts in the spinning mill
- KU6.** the importance of: types of fibres, types of yarn, yarn count, types of roving, roving hank, importance of roving quality, types of roving defects, reasons for roving breakage
- KU7.** process flow in a spinning mill
- KU8.** material flow in a spinning mill
- KU9.** functions of different parts of ring frame machine
- KU10.** importance of creeling activity
- KU11.** importance of colour coding followed for different counts in spinning mill
- KU12.** functions of various tools and equipments used
- KU13.** knowledge of waste collection system & equipments used
- KU14.** importance of material handling and types of material handling equipments used
- KU15.** functions and methodology for operating different material handling equipments
- KU16.** understanding the functions of different signal lamps
- KU17.** guidelines for operating the ring frame machine
- KU18.** safety procedures to be followed in a ring frame machine

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write clear and short sentences
- GS2.** comprehend written instructions
- GS3.** communicate with supervisor appropriately
- GS4.** talk to others to convey information effectively
- GS5.** apply problem-solving approaches in different situations
- GS6.** refer anomalies to the supervisor
- GS7.** seek clarification on problems from others

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- GS8.** apply good attention to detail
- GS9.** check your work is complete and free from errors
- GS10.** standard operating procedures to be followed for creeling the roving
- GS11.** patrol around the ring frame machine and identify roving breakage or bobbin exhaust
- GS12.** transport the bobbin trolley
- GS13.** any damaged bobbin noticed should be cleaned and reused
- GS14.** procedure for unraveling the roving from the roving bobbin
- GS15.** standard piecing technique adopted for piecing the broken roving
- GS16.** check the quality of piecing
- GS17.** procedure for operating different material handling tools and equipments
- GS18.** maintain neatness at work place

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Attending the machine for creeling</i>	<b>16</b>	<b>18</b>	-	<b>8</b>
1. bring the roving bobbin from storage area using bobbin trolley	2	2	-	1
2. ensure correct colour coded bobbins are taken to ring frame section	2	2	-	1
3. identify roving bobbin exhausts and removing the empty bobbin	2	3	-	1
4. replace exhausted roving bobbin with suitable bobbins on the creel from the reserve holder / trolley	2	3	-	1
5. ensure that colour coding of feed in the creel is correct	2	1	-	1
6. creel the full roving bobbin	2	3	-	1
7. ensure proper passage of roving	2	2	-	1
8. ensure that minimum time is taken for attending the roving breakage	2	2	-	1
<i>Piecing the broken roving</i>	<b>10</b>	<b>17</b>	-	<b>7</b>
9. ensure that the roving passes through the creeling section without affecting the quality of roving	1	2	-	1
10. draw the roving end with minimum waste and then piece up the yarn	2	3	-	1
11. ensure proper length of roving is available for piecing	1	3	-	1
12. piece the broken roving together in the event of roving breakage at creel section	2	3	-	1
13. ensure standard piecing procedure is adopted and quality and size of piecing is within the standards	2	2	-	1



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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
14. keep the roving waste in the waste collection pocket provided to each tenter and then put in the waste collection box	1	2	-	1
15. ensure minimum time is taken for piecing the roving	1	2	-	1
<i>Material handling of the roving</i>	<b>4</b>	<b>6</b>	-	-
16. properly handle the roving and roving bobbin	2	3	-	-
17. ensure roving surface doesnt get damaged	2	3	-	-
<i>Checking the quality of piecing</i>	<b>5</b>	<b>7</b>	-	<b>2</b>
18. verify the quality of piecing done in the roving	2	3	-	-
19. ensure roving tension in the creeling section is appropriate	2	2	-	1
20. ensure proper functioning of the machine	1	2	-	1
<b>NOS Total</b>	<b>35</b>	<b>48</b>	-	<b>17</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N0202
<b>NOS Name</b>	Creeling the roving bobbin at Ring Frame
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Spinning - Textiles
<b>Occupation</b>	Spinning
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	30/09/2021
<b>Next Review Date</b>	30/09/2024
<b>NSQC Clearance Date</b>	17/11/2022

## Qualification Pack

### TSC/N0203: Piecing the broken yarn at Ring Frame

#### Description

This unit is about carrying out procedure for piecing the yarn in the event of a yarn breakage

#### Scope

The scope covers the following :

- identifying yarn breakage
- piecing the broken yarn
- ensure proper material handling of yarn
- checking the quality of pieced yarn

#### Elements and Performance Criteria

##### *Identifying yarn breakage*

To be competent, the user/individual on the job must be able to:

1. patrol around the ring frame machine & identify the yarn breakage in ring frame
2. ensure minimum time is taken for attending the yarn breakages
3. check for yarn break, traveller fly, undraft & roller lapping
4. apply the knee break to stop the spindle
5. check the cop quality
6. ensure proper seating of empties in the spindle after yarn piecing
7. verify the quality of piecing done in the yarn
8. attend to the end breakage as and when they occur

##### *Piecing the broken roving*

To be competent, the user/individual on the job must be able to:

9. take yarn from cop to feed ABC Ring and insert traveller, lappet hook cut the yarn (10mm ) and to start piecing
10. piece the yarn between false twister and drafting zone by following standard piecing techniques
11. ensure proper seating of empties in the spindle after yarn piecing
12. ensure proper traveller running
13. ensure minimum time is taken for piecing the yarn
14. ensure proper material handling of ring cops
15. ensure the yarn should be pieced with minimum overlapping

##### *Ensure proper material handling of yarn*

To be competent, the user/individual on the job must be able to:

16. put the roving ends and roller bond waste in the bags or pockets of coat / apron while attending the end breakages.
17. ensure proper material handling of yarn and cops

##### *Checking the quality of pieced yarn*

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To be competent, the user/individual on the job must be able to:

- 18.** ensure that the quality of piecing is as per standard
- 19.** ensure the tension of the pieced yarn is proper
- 20.** ensure that the cop is perfectly fit in the spindle
- 21.** verify proper material passage from drafting zone till the yarn wound in cop
- 22.** remove the pneumafil waste and yarn waste and deposit in the respective waste collection bags
- 23.** ensure proper functioning of the machine

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard operating procedures (SOP) and regulations in a spinning mill
- KU2.** safe working practices to be adopted in spinning mill
- KU3.** quality systems and other processes practiced in the spinning mill
- KU4.** reporting to the supervisor or higher authority in case of emergency
- KU5.** color coding adopted for different counts in the spinning mill
- KU6.** the importance of different types of fibres, roving, yarn, hank and count.
- KU7.** process flow and material flow in a spinning mill
- KU8.** functions of different parts of a ring frame machine
- KU9.** different types of roving defects and reason for roving breakage
- KU10.** importance of piecing
- KU11.** operations of various tools and equipments used for piecing
- KU12.** knowledge of waste collection system & material handling equipments used
- KU13.** functions of different signal lamps and control buttons
- KU14.** guidelines for operating the ring frame machine
- KU15.** safety procedures to be followed in a ring frame machine

### Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write clear and short sentences
- GS2.** comprehend written instructions
- GS3.** communicate with supervisor appropriately
- GS4.** talk to others to convey information effectively
- GS5.** patrolling procedure to attend the end breaks without delay
- GS6.** procedure for finding the broken yarn
- GS7.** procedure for stopping the spindle using knee break
- GS8.** procedure to unwind the yarn in cop
- GS9.** standard piecing technique for piecing the broken yarn
- GS10.** procedure for mounting the cop in the spindle



- GS11.** check the quality of piecing
- GS12.** procedure for depositing the waste.
- GS13.** maintain neatness at work place

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Identifying yarn breakage</i>	<b>9</b>	<b>18</b>	-	<b>9</b>
1. patrol around the ring frame machine & identify the yarn breakage in ring frame	1	3	-	1
2. ensure minimum time is taken for attending the yarn breakages	1	2	-	1
3. check for yarn break, traveller fly, undraft & roller lapping	1	2	-	1
4. apply the knee break to stop the spindle	1	3	-	1
5. check the cop quality	1	2	-	1
6. ensure proper seating of empties in the spindle after yarn piecing	1	2	-	1
7. verify the quality of piecing done in the yarn	2	2	-	2
8. attend to the end breakage as and when they occur	1	2	-	1
<i>Piecing the broken roving</i>	<b>12</b>	<b>19</b>	-	<b>5</b>
9. take yarn from cop to feed ABC Ring and insert traveller, lappet hook cut the yarn (10mm ) and to start piecing	2	4	-	-
10. piece the yarn between false twister and drafting zone by following standard piecing techniques	2	4	-	-
11. ensure proper seating of empties in the spindle after yarn piecing	1	3	-	1
12. ensure proper traveller running	1	3	-	1
13. ensure minimum time is taken for piecing the yarn	2	1	-	1
14. ensure proper material handling of ring cops	2	2	-	1
15. ensure the yarn should be pieced with minimum overlapping	2	2	-	1

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Ensure proper material handling of yarn</i>	4	4	-	2
16. put the roving ends and roller bond waste in the bags or pockets of coat / apron while attending the end breakages.	2	2	-	1
17. ensure proper material handling of yarn and cops	2	2	-	1
<i>Checking the quality of pieced yarn</i>	6	7	-	5
18. ensure that the quality of piecing is as per standard	2	1	-	1
19. ensure the tension of the pieced yarn is proper	2	2	-	1
20. ensure that the cop is perfectly fit in the spindle	1	2	-	1
21. verify proper material passage from drafting zone till the yarn wound in cop	1	2	-	2
22. remove the pneumafil waste and yarn waste and deposit in the respective waste collection bags	-	-	-	-
23. ensure proper functioning of the machine	-	-	-	-
<b>NOS Total</b>	<b>31</b>	<b>48</b>	<b>-</b>	<b>21</b>



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### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N0203
<b>NOS Name</b>	Piecing the broken yarn at Ring Frame
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Spinning – Textiles
<b>Occupation</b>	Spinning
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	30/09/2021
<b>Next Review Date</b>	30/09/2024
<b>NSQC Clearance Date</b>	17/11/2022

## Qualification Pack

### TSC/N0204: Carryout cleaning activities at Ring Frame

#### Description

This unit is about carrying out the cleaning activities in a ring frame machine

#### Scope

The scope covers the following :

- carryout cleaning activities

#### Elements and Performance Criteria

##### *Carry out cleaning activities*

To be competent, the user/individual on the job must be able to:

1. ensure proper cleaning of drafting zone
2. ensure proper cleaning of creel, guide rods, roving guide, spacer, aprons, top roller lapping, bottom roller lapping, arbour, roving guide, top clearer and bottom clearer.
3. ensure proper rotation of clearer rollers
4. deposit the yarn waste in the waste collection pocket provided to each tenter and finally deposit in the waste collection box
5. check the pneumafil waste collection once in an hour, or as per predefined scheduled and remove the wastes if required
6. remove the roller lapping manually or with tools provided, without damaging the cots
7. collect the wastes in the waste collection chamber and deposit in the waste collection box
8. ensure the wastes collected from different parts of machine are deposited in the respective dustbins
9. Inform for removal of the worn-out parts and ensure replacement with new parts in ring frame machine
10. identify end brake for traveller fly.
11. take traveller in traveller tray
12. check correct traveller and confirm the count board
13. replace traveller during count change and as per instructions of supervisor /maintenance incharge
14. ensure proper setting of pneumafil pipe setting
15. check cross roving
16. check top arm lifting
17. check OHTC air blowing
18. check bottom apron, top apron, spacer
19. ensure that only the correct size of traveler is used for replacement.
20. check damaged bobbins and its reuse

## Qualification Pack

21. any quality affecting factors like missing spacers, spindle vibration, damaged aprons, defective cots etc. should be reported to supervisor

### *Other tenting (Ring frame Tenter ) responsibilities*

To be competent, the user/individual on the job must be able to:

22. verify the proper build of the roving bobbin
23. Support the doffer while carrying out doffing activities
24. record the production details in the production report
25. report to the supervisor in case of emergency stoppage of machine
26. report to the supervisor and maintenance incharge if the operator had replaced the worn out machine part with a new one.
27. support the maintenance team while, machine is under maintenance
28. ensuring all details related to production are provided to the next shift operator while relieving
29. ensure count wise storage of wound bobbin without damaging the roving

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard operating procedures (SOP) and regulations in a spinning mill
- KU2.** safe working practices to be adopted
- KU3.** quality systems and other processes practiced in the spinning mill
- KU4.** reporting to the supervisor or higher authority in case of emergency
- KU5.** process flow and material flow in a spinning mill
- KU6.** functions of different parts of a ring frame machine
- KU7.** importance of yarn quality
- KU8.** importance of cleaning
- KU9.** schedule for cleaning
- KU10.** types and functions of various cleaning tools and equipments
- KU11.** types of waste collected from the ring frame machine
- KU12.** guidelines for cleaning the various part of ring frame machine
- KU13.** operational schedule for cleaning different parts of ring frame machine
- KU14.** operational schedule for collecting wastes from waste collection chamber
- KU15.** types of possible worn out parts in a ring frame machine
- KU16.** types and importance of travelers
- KU17.** procedure for mounting travelers
- KU18.** types of end breaks and reason for end breaks
- KU19.** procedure for removing roller lapping and clearer rollers
- KU20.** the safety precautions to be followed in a ring frame department

## Generic Skills (GS)

User/individual on the job needs to know how to:

## Qualification Pack

- GS1.** write clear and short sentences
- GS2.** comprehend written instructions
- GS3.** communicate with supervisor appropriately
- GS4.** talk to others to convey information effectively
- GS5.** procedure for operating the various cleaning tools and equipments
- GS6.** procedure for cleaning the creeling area
- GS7.** procedure for cleaning the drafting zone
- GS8.** procedure for cleaning the delivery zone in ring frame machine
- GS9.** procedure for cleaning pneumafil wastes
- GS10.** procedure for collection of wastes from waste collection chamber
- GS11.** procedure for cleaning the waste collection chamber
- GS12.** procedure for cleaning the other parts of ring frame machine
- GS13.** procedure for proper material handling of cleaning equipments
- GS14.** procedure for removing the roller lapping
- GS15.** procedure to identify and remove worn out parts in ring frame machine
- GS16.** procedure to replace the worn-out parts with a new machine part
- GS17.** setting the traveller on ring, drafting zone, traveller mounting
- GS18.** procedure for carrying out preventive maintenance activities
- GS19.** procedure for oiling different parts of ring frame machine

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Carry out cleaning activities</i>	<b>37</b>	<b>67</b>	-	<b>33</b>
1. ensure proper cleaning of drafting zone	2	4	-	2
2. ensure proper cleaning of creel, guide rods, roving guide, spacer, aprons, top roller lapping, bottom roller lapping, arbour, roving guide, top clearer and bottom clearer.	2	6	-	2
3. ensure proper rotation of clearer rollers	2	4	-	2
4. deposit the yarn waste in the waste collection pocket provided to each tenter and finally deposit in the waste collection box	2	6	-	-
5. check the pneumafil waste collection once in an hour, or as per predefined scheduled and remove the wastes if required	2	5	-	1
6. remove the roller lapping manually or with tools provided, without damaging the cots	3	5	-	-
7. collect the wastes in the waste collection chamber and deposit in the waste collection box	3	2	-	1
8. ensure the wastes collected from different parts of machine are deposited in the respective dustbins	3	2	-	1
9. Inform for removal of the worn-out parts and ensure replacement with new parts in ring frame machine	3	2	-	1
10. identify end brake for traveller fly.	1	3	-	2
11. take traveller in traveller tray	1	2	-	3
12. check correct traveller and confirm the count board	1	2	-	3
13. replace traveller during count change and as per instructions of supervisor /maintenance incharge	1	4	-	1

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
14. ensure proper setting of pneumafil pipe setting	1	4	-	1
15. check cross roving	1	2	-	1
16. check top arm lifting	1	2	-	1
17. check OHTC air blowing	1	2	-	1
18. check bottom apron, top apron, spacer	1	4	-	2
19. ensure that only the correct size of traveler is used for replacement.	2	2	-	4
20. check damaged bobbins and its reuse	2	2	-	2
21. any quality affecting factors like missing spacers, spindle vibration, damaged aprons, defective cots etc. should be reported to supervisor	2	2	-	2
<i>Other tenting (Ring frame Tenter ) responsibilities</i>	<b>19</b>	<b>26</b>	-	<b>18</b>
22. verify the proper build of the roving bobbin	2	2	-	6
23. Support the doffer while carrying out doffing activities	2	2	-	1
24. record the production details in the production report	5	2	-	1
25. report to the supervisor in case of emergency stoppage of machine	2	4	-	2
26. report to the supervisor and maintenance incharge if the operator had replaced the worn out machine part with a new one.	2	4	-	2
27. support the maintenance team while, machine is under maintenance	1	4	-	3
28. ensuring all details related to production are provided to the next shift operator while relieving	2	4	-	2
29. ensure count wise storage of wound bobbin without damaging the roving	3	4	-	1

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>NOS Total</b>	<b>56</b>	<b>93</b>	<b>-</b>	<b>51</b>



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N0204
<b>NOS Name</b>	Carryout cleaning activities at Ring Frame
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Spinning - Textiles
<b>Occupation</b>	Spinning
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	30/09/2021
<b>Next Review Date</b>	30/09/2024
<b>NSQF Clearance Date</b>	17/11/2022

## Qualification Pack

### TSC/N9001: Maintain work area, tools, and machines

#### Description

This unit provides performance criteria, knowledge & understanding and skills & abilities required to organise/ maintain work areas and activities to ensure tools and machines are maintained as per norms

#### Scope

The scope covers the following :

- Maintaining the work area, tools and machines

#### Elements and Performance Criteria

##### *Maintaining the work area, tools and machines*

To be competent, the user/individual on the job must be able to:

1. handle materials, machinery, equipment and tools with care and use them in the correct way
2. use correct lifting and handling procedures
3. use materials to minimize waste
4. maintain a clean and hazard free working area
5. maintain tools and equipment
6. carry out running maintenance within agreed schedules
7. carry out maintenance and/or cleaning within ones responsibility
8. report unsafe equipment and other dangerous occurrences
9. ensure that the correct machine guards are in place
10. work in a comfortable position with the correct posture
11. use cleaning equipment and methods appropriate for the work to be carried out
12. dispose of waste safely in the designated location
13. store cleaning equipment safely after use
14. carry out cleaning according to schedules and limits of responsibility

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** personal hygiene and duty of care
- KU2.** safe working practices and organisational standard operating procedures
- KU3.** limits of your own responsibility
- KU4.** ways of resolving problems within the work area
- KU5.** the production process and the specific work activities that relate to the whole process
- KU6.** the importance of effective communication with supervisors
- KU7.** the lines of communication, authority and reporting procedures

## Qualification Pack

- KU8.** the organisation's rules, codes and guidelines (including timekeeping)
- KU9.** the company's quality standards
- KU10.** the importance of complying with written instructions
- KU11.** equipment operating procedures / supervisor's instructions
- KU12.** work instructions and specifications and interpret them accurately
- KU13.** relation between work role and the overall manufacturing process
- KU14.** hazards likely to be encountered when conducting routine maintenance
- KU15.** the importance of taking action when problems are identified
- KU16.** different ways of minimising waste
- KU17.** the importance of running maintenance and regular cleaning
- KU18.** effects of contamination on products i.e. machine oil, dirt, foreign materials
- KU19.** common faults with equipment and the method to rectify
- KU20.** maintenance procedures
- KU21.** different types of cleaning equipment and substances and their use
- KU22.** safe working practices for cleaning and the method of carrying them out

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** comprehend written instructions
- GS2.** read any application sent by other colleagues
- GS3.** Communicate effectively in local language
- GS4.** communicate with supervisor appropriately
- GS5.** talk to others to convey information effectively
- GS6.** identify the real reason of problem faced
- GS7.** apply problem-solving approaches in different situations
- GS8.** refer anomalies to the supervisor
- GS9.** seek clarification on problems from others
- GS10.** apply good attention to detail
- GS11.** check your work is complete and free from errors
- GS12.** make sure every kind of communication is error free
- GS13.** communicate effectively
- GS14.** apply leadership skills wherever required
- GS15.** take initiative at the right place
- GS16.** understand the requirement to be creative

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintaining the work area, tools and machines</i>	<b>17</b>	<b>20</b>	-	<b>13</b>
1. handle materials, machinery, equipment and tools with care and use them in the correct way	2	2	-	1
2. use correct lifting and handling procedures	1	2	-	1
3. use materials to minimize waste	2	1	-	1
4. maintain a clean and hazard free working area	1	1	-	1
5. maintain tools and equipment	2	1	-	1
6. carry out running maintenance within agreed schedules	1	2	-	1
7. carry out maintenance and/or cleaning within ones responsibility	1	2	-	1
8. report unsafe equipment and other dangerous occurrences	1	2	-	-
9. ensure that the correct machine guards are in place	1	1	-	1
10. work in a comfortable position with the correct posture	1	1	-	1
11. use cleaning equipment and methods appropriate for the work to be carried out	1	1	-	1
12. dispose of waste safely in the designated location	1	2	-	1
13. store cleaning equipment safely after use	1	1	-	1
14. carry out cleaning according to schedules and limits of responsibility	1	1	-	1
<b>NOS Total</b>	<b>17</b>	<b>20</b>	-	<b>13</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N9001
<b>NOS Name</b>	Maintain work area, tools, and machines
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Spinning, Weaving, Processing, Knitting
<b>Occupation</b>	Textile Mill sector - Cotton
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	27/01/2022
<b>Next Review Date</b>	31/03/2025
<b>NSQC Clearance Date</b>	17/11/2022

## Qualification Pack

### TSC/N9002: Working in a team

#### Description

This unit is about working as a team member in the textile industry

#### Scope

The scope covers the following :

- commitment and trust
- communication
- adaptability
- creative freedom

#### Elements and Performance Criteria

##### *Commitment and trust*

To be competent, the user/individual on the job must be able to:

1. be accountable to the own role in whole process
2. perform all roles with full responsibility
3. be effective and efficient at workplace

##### *Communication*

To be competent, the user/individual on the job must be able to:

4. properly communicate about company policies
5. report all problems faced during the process
6. talk politely with other team members and colleagues
7. submit daily report of own performance

##### *Adaptability*

To be competent, the user/individual on the job must be able to:

8. adjust in different work situations
9. give due importance to other's point of view
10. avoid conflicting situations

##### *Creative freedom*

To be competent, the user/individual on the job must be able to:

11. develop new ideas for work procedures
12. improve upon the existing techniques to increase process efficiency

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard operating procedures (SOP) and regulations in a textile mill  
**KU2.** procedure followed to get the final output in the mill

## Qualification Pack

- KU3.** safe working practices to be adopted in textile mill
- KU4.** reporting to the supervisor or higher authority about any grievances faced
- KU5.** the importance of the previous and next step of the process
- KU6.** process flow in a textile mill and the concerned workers
- KU7.** material flow in a textile mill and the required person
- KU8.** functions of different parts of the machine
- KU9.** tools and equipments used
- KU10.** guidelines for operating the machine
- KU11.** safety procedures to be followed in the machine

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write clear and short sentences
- GS2.** write daily work report
- GS3.** write grievance complaint application
- GS4.** comprehend written instructions
- GS5.** read any application sent by other colleagues
- GS6.** communicate with supervisor appropriately
- GS7.** talk to co-workers to convey information effectively
- GS8.** identify the real reason of problem faced
- GS9.** be able to find the most effective solution to the problems faced
- GS10.** apply good attention to detail
- GS11.** ensure every kind of communication is error free
- GS12.** communicate effectively
- GS13.** apply leadership skills wherever required
- GS14.** take initiative at the right place
- GS15.** understand the requirement to be creative



## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Commitment and trust</i>	<b>5</b>	<b>4</b>	-	<b>2</b>
1. be accountable to the own role in whole process	2	1	-	1
2. perform all roles with full responsibility	2	1	-	1
3. be effective and efficient at workplace	1	2	-	-
<i>Communication</i>	<b>6</b>	<b>7</b>	-	<b>4</b>
4. properly communicate about company policies	1	2	-	1
5. report all problems faced during the process	1	2	-	1
6. talk politely with other team members and colleagues	2	1	-	1
7. submit daily report of own performance	2	2	-	1
<i>Adaptability</i>	<b>5</b>	<b>4</b>	-	<b>3</b>
8. adjust in different work situations	1	1	-	1
9. give due importance to other's point of view	2	1	-	1
10. avoid conflicting situations	2	2	-	1
<i>Creative freedom</i>	<b>3</b>	<b>5</b>	-	<b>2</b>
11. develop new ideas for work procedures	1	3	-	1
12. improve upon the existing techniques to increase process efficiency	2	2	-	1
<b>NOS Total</b>	<b>19</b>	<b>20</b>	-	<b>11</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N9002
<b>NOS Name</b>	Working in a team
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Spinning, Weaving, Processing, Knitting
<b>Occupation</b>	Textile Mill sector - Cotton
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	6.0
<b>Last Reviewed Date</b>	27/01/2022
<b>Next Review Date</b>	31/03/2025
<b>NSQC Clearance Date</b>	17/11/2022

## Qualification Pack

### TSC/N9003: Maintain health, safety and security at workplace

#### Description

This unit provides performance criteria, knowledge & understanding and skills & abilities required to comply with health, safety and security requirements at the workplace and covers procedures to prevent, control and minimize risk to self and others.

#### Scope

The scope covers the following :

- comply with health, safety and security requirements at work
- Recognizing the hazards
- Planning the safety techniques
- Implementing the programs

#### Elements and Performance Criteria

##### *Comply with health, Safety and security requirements at work*

To be competent, the user/individual on the job must be able to:

1. comply with health and safety related instructions applicable to the workplace
2. use and maintain personal protective equipment such as ear plug, nose mask , head cap etc., as per protocol
3. carry out own activities in line with approved guidelines and procedures
4. maintain a healthy lifestyle and guard against dependency on intoxicants
5. follow environment management system related procedures
6. identify and correct (if possible) malfunctions in machinery and equipment
7. report any service malfunctions that cannot be rectified
8. store materials and equipment in line with organisational requirements
9. safely handle and remove waste
10. minimize health and safety risks to self and others due to own actions
11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks
12. monitor the workplace and work processes for potential risks and threat
13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned
14. report hazards and potential risks/ threats to supervisors or other authorized personnel
15. participate in mock drills/ evacuation procedures organized at the workplace
16. undertake first aid, fire-fighting and emergency response training, if asked to do so
17. take action based on instructions in the event of fire, emergencies or accidents
18. follow organisation procedures for shutdown and evacuation when required

##### *Recognizing the hazards*

To be competent, the user/individual on the job must be able to:

## Qualification Pack

19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry
20. recognise other possible security issues existing in the workplace

### *Planning the safety techniques Implementing the programs*

To be competent, the user/individual on the job must be able to:

21. recognise different measures to curb the hazards
22. communicate the safety plan to everyone
23. attach disciplinary rules with the implementation

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard operating procedures (SOP) and regulations in a textile mill
- KU2.** safe working practices to be adopted in textile mill
- KU3.** quality systems and other processes practiced in the textile mill
- KU4.** health and safety related practices applicable at the workplace
- KU5.** potential hazards, risks and threats based on nature of operations
- KU6.** organizational procedures for safe handling of equipment and machine operations
- KU7.** potential risks due to own actions and methods to minimize these
- KU8.** environmental management system related procedures at the workplace
- KU9.** layout of the plant and details of emergency exits, escape routes, emergency equipment and assembly points
- KU10.** potential accidents and emergencies and response to these scenarios
- KU11.** reporting protocol and documentation required
- KU12.** details of personnel trained in first aid, fire-fighting and emergency response
- KU13.** actions to take in the event of a mock drills/ evacuation procedures or actual accident, emergency or fire
- KU14.** occupational health and safety risks and methods
- KU15.** personal protective equipment and method of use
- KU16.** identification, handling and storage of hazardous substances
- KU17.** proper disposal system for waste and by-products
- KU18.** signage related to health and safety and their meaning
- KU19.** importance of sound health, hygiene and good habits
- KU20.** ill-effects of alcohol, tobacco and drugs

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write clear and short sentences
- GS2.** read and understand the company instructions

## Qualification Pack

- GS3.** read and understand work instructions
- GS4.** read and understand the safety guidelines
- GS5.** listen to others attentively
- GS6.** respond to emergencies, accidents or fire at the workplace
- GS7.** evacuate the premises and help others in need while doing so
- GS8.** the value of physical fitness, personal hygiene and good habits
- GS9.** talk with others politely
- GS10.** identify correct safety measure for particular hazard
- GS11.** make required safety plans as and when required
- GS12.** raise alarm in case of emergency
- GS13.** know the use of correct safety measure whenever required
- GS14.** be attentive to details
- GS15.** be careful to avoid occurrence of hazards
- GS16.** maintenance of neatness at work
- GS17.** procedure for reporting unwanted behavior

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Comply with health, Safety and security requirements at work</i>	<b>27</b>	<b>35</b>	-	<b>23</b>
1. comply with health and safety related instructions applicable to the workplace	2	2	-	2
2. use and maintain personal protective equipment such as ear plug, nose mask , head cap etc., as per protocol	2	2	-	2
3. carry out own activities in line with approved guidelines and procedures	2	2	-	2
4. maintain a healthy lifestyle and guard against dependency on intoxicants	2	2	-	2
5. follow environment management system related procedures	2	2	-	2
6. identify and correct (if possible) malfunctions in machinery and equipment	2	2	-	1
7. report any service malfunctions that cannot be rectified	2	2	-	1
8. store materials and equipment in line with organisational requirements	2	2	-	1
9. safely handle and remove waste	2	2	-	1
10. minimize health and safety risks to self and others due to own actions	1	2	-	1
11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks	1	2	-	2
12. monitor the workplace and work processes for potential risks and threat	1	2	-	1
13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned	1	2	-	1
14. report hazards and potential risks/ threats to supervisors or other authorized personnel	1	2	-	1

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
15. participate in mock drills/ evacuation procedures organized at the workplace	1	2	-	-
16. undertake first aid, fire-fighting and emergency response training, if asked to do so	1	2	-	1
17. take action based on instructions in the event of fire, emergencies or accidents	1	2	-	1
18. follow organisation procedures for shutdown and evacuation when required	1	1	-	1
<i>Recognizing the hazards</i>	<b>2</b>	<b>2</b>	-	<b>2</b>
19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry	1	1	-	1
20. recognise other possible security issues existing in the workplace	1	1	-	1
<i>Planning the safety techniques Implementing the programs</i>	<b>3</b>	<b>3</b>	-	<b>3</b>
21. recognise different measures to curb the hazards	1	1	-	1
22. communicate the safety plan to everyone	1	1	-	1
23. attach disciplinary rules with the implementation	1	1	-	1
<b>NOS Total</b>	<b>32</b>	<b>40</b>	-	<b>28</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N9003
<b>NOS Name</b>	Maintain health, safety and security at workplace
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Spinning, Weaving, Processing, Knitting
<b>Occupation</b>	Textile Mill sector - Cotton
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	5.0
<b>Last Reviewed Date</b>	27/01/2022
<b>Next Review Date</b>	31/03/2025
<b>NSQC Clearance Date</b>	17/11/2022



## Qualification Pack

### TSC/N9004: Comply with industry and organizational requirement

#### Description

This unit is about knowing, understanding, and complying with the requirements of the organization and the textile industry

#### Scope

The scope covers the following :

- self development
- team work
- organizational standards
- industry standards

#### Elements and Performance Criteria

##### *Self development*

To be competent, the user/individual on the job must be able to:

1. perform own duties effectively
2. take responsibility for own actions
3. be accountable towards the job role and assigned duties
4. take initiative and innovate the existing methods
5. focus on self-learning and improvement

##### *Team work*

To be competent, the user/individual on the job must be able to:

6. co-ordinate with all the team members and colleagues
7. communicate politely
8. avoid conflicts and miscommunication

##### *Organisational standards*

To be competent, the user/individual on the job must be able to:

9. know the organisational standards
10. implement them in your performance
11. motivate others to follow them

##### *Industry standards*

To be competent, the user/individual on the job must be able to:

12. monitor the workplace and work processes for potential risks and threat
13. align them with organisation standards

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

## Qualification Pack

- KU1.** standard operating procedures (SOP) and regulations in a textile mill
- KU2.** reporting to the supervisor or higher authority
- KU3.** knowledge of organisational standards
- KU4.** knowledge of industry standards
- KU5.** process and material flow in a textile mill
- KU6.** importance of complying with the standards
- KU7.** guidelines for cleaning the various parts of machine

### Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write clear and short sentences
- GS2.** read the given instructions
- GS3.** comprehend written instructions
- GS4.** talk effectively with others
- GS5.** put forward your point
- GS6.** listen to others
- GS7.** Organizational requirements
- GS8.** your responsibilities at the workplace
- GS9.** procedure to comply with the industry standards

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Self development</i>	<b>5</b>	<b>9</b>	-	<b>7</b>
1. perform own duties effectively	1	2	-	2
2. take responsibility for own actions	1	2	-	2
3. be accountable towards the job role and assigned duties	1	2	-	1
4. take initiative and innovate the existing methods	1	1	-	1
5. focus on self-learning and improvement	1	2	-	1
<i>Team work</i>	<b>3</b>	<b>5</b>	-	<b>4</b>
6. co-ordinate with all the team members and colleagues	1	2	-	1
7. communicate politely	1	1	-	2
8. avoid conflicts and miscommunication	1	2	-	1
<i>Organisational standards</i>	<b>3</b>	<b>4</b>	-	<b>3</b>
9. know the organisational standards	1	1	-	1
10. implement them in your performance	1	2	-	1
11. motivate others to follow them	1	1	-	1
<i>Industry standards</i>	<b>4</b>	<b>2</b>	-	<b>1</b>
12. monitor the workplace and work processes for potential risks and threat	2	1	-	-
13. align them with organisation standards	2	1	-	1
<b>NOS Total</b>	<b>15</b>	<b>20</b>	-	<b>15</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N9004
<b>NOS Name</b>	Comply with industry and organizational requirement
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Spinning, Weaving, Processing, Knitting
<b>Occupation</b>	Textile Mill sector - Cotton
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	27/01/2022
<b>Next Review Date</b>	31/03/2025
<b>NSQC Clearance Date</b>	17/11/2022

## Qualification Pack

### DGT/VSQ/N0101: Employability Skills (30 Hours)

#### Description

This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century, digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service, entrepreneurship, and apprenticeship, getting ready for jobs and career development.

#### Scope

The scope covers the following :

- Introduction to Employability Skills
- Constitutional values - Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for Apprenticeship & Jobs

#### Elements and Performance Criteria

##### *Introduction to Employability Skills*

To be competent, the user/individual on the job must be able to:

**PC1.** understand the significance of employability skills in meeting the job requirements

##### *Constitutional values - Citizenship*

To be competent, the user/individual on the job must be able to:

**PC2.** identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices

##### *Becoming a Professional in the 21st Century*

To be competent, the user/individual on the job must be able to:

**PC3.** explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.

##### *Basic English Skills*

To be competent, the user/individual on the job must be able to:

**PC4.** speak with others using some basic English phrases or sentences

##### *Communication Skills*

To be competent, the user/individual on the job must be able to:

**PC5.** follow good manners while communicating with others

**PC6.** work with others in a team

## Qualification Pack

### *Diversity & Inclusion*

To be competent, the user/individual on the job must be able to:

**PC7.** communicate and behave appropriately with all genders and PwD

**PC8.** report any issues related to sexual harassment

### *Financial and Legal Literacy*

To be competent, the user/individual on the job must be able to:

**PC9.** use various financial products and services safely and securely

**PC10.** calculate income, expenses, savings etc.

**PC11.** approach the concerned authorities for any exploitation as per legal rights and laws

### *Essential Digital Skills*

To be competent, the user/individual on the job must be able to:

**PC12.** operate digital devices and use its features and applications securely and safely

**PC13.** use internet and social media platforms securely and safely

### *Entrepreneurship*

To be competent, the user/individual on the job must be able to:

**PC14.** identify and assess opportunities for potential business

**PC15.** identify sources for arranging money and associated financial and legal challenges

### *Customer Service*

To be competent, the user/individual on the job must be able to:

**PC16.** identify different types of customers

**PC17.** identify customer needs and address them appropriately

**PC18.** follow appropriate hygiene and grooming standards

### *Getting ready for apprenticeship & Jobs*

To be competent, the user/individual on the job must be able to:

**PC19.** create a basic biodata

**PC20.** search for suitable jobs and apply

**PC21.** identify and register apprenticeship opportunities as per requirement

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

**KU1.** need for employability skills

**KU2.** various constitutional and personal values

**KU3.** different environmentally sustainable practices and their importance

**KU4.** Twenty first (21st) century skills and their importance

**KU5.** how to use basic spoken English language

**KU6.** Do and dont of effective communication

**KU7.** inclusivity and its importance

**KU8.** different types of disabilities and appropriate communication and behaviour towards PwD

**KU9.** different types of financial products and services

## Qualification Pack

- KU10.** how to compute income and expenses
- KU11.** importance of maintaining safety and security in financial transactions
- KU12.** different legal rights and laws
- KU13.** how to operate digital devices and applications safely and securely
- KU14.** ways to identify business opportunities
- KU15.** types of customers and their needs
- KU16.** how to apply for a job and prepare for an interview
- KU17.** apprenticeship scheme and the process of registering on apprenticeship portal

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** communicate effectively using appropriate language
- GS2.** behave politely and appropriately with all
- GS3.** perform basic calculations
- GS4.** solve problems effectively
- GS5.** be careful and attentive at work
- GS6.** use time effectively
- GS7.** maintain hygiene and sanitisation to avoid infection

## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to Employability Skills</i>	<b>1</b>	<b>1</b>	-	-
<b>PC1.</b> understand the significance of employability skills in meeting the job requirements	-	-	-	-
<i>Constitutional values - Citizenship</i>	<b>1</b>	<b>1</b>	-	-
<b>PC2.</b> identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	<b>1</b>	<b>3</b>	-	-
<b>PC3.</b> explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	-	-	-	-
<i>Basic English Skills</i>	<b>2</b>	<b>3</b>	-	-
<b>PC4.</b> speak with others using some basic English phrases or sentences	-	-	-	-
<i>Communication Skills</i>	<b>1</b>	<b>1</b>	-	-
<b>PC5.</b> follow good manners while communicating with others	-	-	-	-
<b>PC6.</b> work with others in a team	-	-	-	-
<i>Diversity &amp; Inclusion</i>	<b>1</b>	<b>1</b>	-	-
<b>PC7.</b> communicate and behave appropriately with all genders and PwD	-	-	-	-
<b>PC8.</b> report any issues related to sexual harassment	-	-	-	-
<i>Financial and Legal Literacy</i>	<b>3</b>	<b>4</b>	-	-
<b>PC9.</b> use various financial products and services safely and securely	-	-	-	-



### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC10.</b> calculate income, expenses, savings etc.	-	-	-	-
<b>PC11.</b> approach the concerned authorities for any exploitation as per legal rights and laws	-	-	-	-
<i>Essential Digital Skills</i>	<b>4</b>	<b>6</b>	-	-
<b>PC12.</b> operate digital devices and use its features and applications securely and safely	-	-	-	-
<b>PC13.</b> use internet and social media platforms securely and safely	-	-	-	-
<i>Entrepreneurship</i>	<b>3</b>	<b>5</b>	-	-
<b>PC14.</b> identify and assess opportunities for potential business	-	-	-	-
<b>PC15.</b> identify sources for arranging money and associated financial and legal challenges	-	-	-	-
<i>Customer Service</i>	<b>2</b>	<b>2</b>	-	-
<b>PC16.</b> identify different types of customers	-	-	-	-
<b>PC17.</b> identify customer needs and address them appropriately	-	-	-	-
<b>PC18.</b> follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship &amp; Jobs</i>	<b>1</b>	<b>3</b>	-	-
<b>PC19.</b> create a basic biodata	-	-	-	-
<b>PC20.</b> search for suitable jobs and apply	-	-	-	-
<b>PC21.</b> identify and register apprenticeship opportunities as per requirement	-	-	-	-
<b>NOS Total</b>	<b>20</b>	<b>30</b>	-	-

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	DGT/VSQ/N0101
<b>NOS Name</b>	Employability Skills (30 Hours)
<b>Sector</b>	Cross Sectoral
<b>Sub-Sector</b>	Professional Skills
<b>Occupation</b>	Employability
<b>NSQF Level</b>	2
<b>Credits</b>	1
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	17/10/2024
<b>NSQC Clearance Date</b>	25/06/2020

## Assessment Guidelines and Assessment Weightage

### Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
5. In case of successfully passing only certain number of NOSs, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.
6. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

**Minimum Aggregate Passing % at QP Level : 50**

## Qualification Pack

(Please note: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

### Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N0201.Taking charge of shift and handing over shift to Ring Frame Tenter	33	36	-	31	100	13
TSC/N0202.Creeling the roving bobbin at Ring Frame	35	48	-	17	100	13
TSC/N0203.Piecing the broken yarn at Ring Frame	31	48	-	21	100	13
TSC/N0204.Carryout cleaning activities at Ring Frame	56	93	-	51	200	24
TSC/N9001.Maintain work area, tools, and machines	17	20	-	13	50	6
TSC/N9002.Working in a team	19	20	-	11	50	6
TSC/N9003.Maintain health, safety and security at workplace	32	40	-	28	100	13
TSC/N9004.Comply with industry and organizational requirement	15	20	-	15	50	6
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	0	0	50	6
<b>Total</b>	<b>258</b>	<b>355</b>	<b>0</b>	<b>187</b>	<b>800</b>	<b>100</b>

## Acronyms

<b>NOS</b>	National Occupational Standard(s)
<b>NSQF</b>	National Skills Qualifications Framework
<b>QP</b>	Qualifications Pack
<b>TVET</b>	Technical and Vocational Education and Training

## Qualification Pack

### Glossary

<b>Sector</b>	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
<b>Sub-sector</b>	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
<b>Occupation</b>	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
<b>Job role</b>	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
<b>Occupational Standards (OS)</b>	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
<b>Performance Criteria (PC)</b>	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
<b>National Occupational Standards (NOS)</b>	NOS are occupational standards which apply uniquely in the Indian context.
<b>Qualifications Pack (QP)</b>	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
<b>Unit Code</b>	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
<b>Unit Title</b>	Unit title gives a clear overall statement about what the incumbent should be able to do.
<b>Description</b>	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
<b>Scope</b>	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.

## Qualification Pack

<b>Knowledge and Understanding (KU)</b>	<p>Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.</p>
<b>Organisational Context</b>	<p>Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.</p>
<b>Technical Knowledge</b>	<p>Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.</p>
<b>Core Skills/ Generic Skills (GS)</b>	<p>Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.</p>
<b>Electives</b>	<p>Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.</p>
<b>Options</b>	<p>Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.</p>