

Qualification Pack



Ring Frame Tenter

QP Code: TSC/Q0201

Version: 1.0

NSQF Level: 4

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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](#)

Qualification Pack (QP) Parameters

Sector	Textile
Sub-Sector	Spinning
Occupation	Post Spinning
Country	India
NSQF Level	4

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Aligned to NCO/ISCO/ISIC Code	NCO-2015/8151.06
Minimum Educational Qualification & Experience	5th Class (Preferably) with 1-2 Years of experience in a textile mill (Experience is preferred but not mandatory)
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	25/02/2015
Next Review Date	31/03/2021
Deactivation Date	31/03/2021
NSQC Approval Date	05/08/2015
Version	1.0

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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

This unit/task 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

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Taking charge of shift from Ring Frame Tenter</i>	25	30	-	19
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>	8	6	-	12
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

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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
NOS Total	33	36	-	31

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National Occupational Standards (NOS) Parameters

NOS Code	TSC/N0201
NOS Name	Taking charge of shift and handing over shift to Ring Frame Tenter
Sector	Textile
Sub-Sector	Spinning
Occupation	Post Spinning
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	25/02/2015
Next Review Date	01/03/2016
NSQC Clearance Date	05/08/2015

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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

This unit/task 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

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Attending the machine for creeling</i>	16	18	-	8
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>	10	17	-	7
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>	4	6	-	-
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>	5	7	-	2
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
NOS Total	35	48	-	17

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National Occupational Standards (NOS) Parameters

NOS Code	TSC/N0202
NOS Name	Creeling the roving bobbin at Ring Frame
Sector	Textile
Sub-Sector	Spinning
Occupation	Post Spinning
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	25/02/2015
Next Review Date	01/03/2016
NSQC Clearance Date	05/08/2015

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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

This unit/task 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

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Identifying yarn breakage</i>	9	18	-	9
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>	12	19	-	5
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	-	-	-	-
NOS Total	31	48	-	21

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National Occupational Standards (NOS) Parameters

NOS Code	TSC/N0203
NOS Name	Piecing the broken yarn at Ring Frame
Sector	Textile
Sub-Sector	Spinning
Occupation	Post Spinning
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	25/02/2015
Next Review Date	01/03/2016
NSQC Clearance Date	05/08/2015

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TSC/N0204: Carryout cleaning activities at Ring Frame

Description

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

Scope

This unit/task 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

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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>	37	67	-	33
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>	19	26	-	18
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
NOS Total	56	93	-	51

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N0204
NOS Name	Carryout cleaning activities at Ring Frame
Sector	Textile
Sub-Sector	Spinning
Occupation	Post Spinning
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	25/02/2015
Next Review Date	01/03/2016
NSQC Clearance Date	05/08/2015

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

This unit/task 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>	17	20	-	13
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
NOS Total	17	20	-	13

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9001
NOS Name	Maintain work area, tools and machines
Sector	Textile
Sub-Sector	Spinning, Weaving, Processing, Knitting
Occupation	Textile Mill sector - Cotton
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	25/02/2015
Next Review Date	01/03/2016
NSQF Clearance Date	05/08/2015

Qualification Pack

TSC/N9002: Working in a team

Description

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

Scope

This unit/task 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

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Commitment and trust</i>	5	4	-	2
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>	6	7	-	4
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>	5	4	-	3
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>	3	5	-	2
11. develop new ideas for work procedures	1	3	-	1
12. improve upon the existing techniques to increase process efficiency	2	2	-	1
NOS Total	19	20	-	11

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9002
NOS Name	Working in a team
Sector	Textile
Sub-Sector	Spinning, Weaving, Processing, Knitting
Occupation	Textile Mill sector - Cotton
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	25/02/2015
Next Review Date	01/03/2016
NSQC Clearance Date	05/08/2015

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

This unit/task 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>	27	35	-	23
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

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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>	2	2	-	2
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>	3	3	-	3
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
NOS Total	32	40	-	28

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9003
NOS Name	Maintain health, safety and security at workplace
Sector	Textile
Sub-Sector	Spinning, Weaving, Processing, Knitting
Occupation	Textile Mill sector - Cotton
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	25/02/2015
Next Review Date	01/03/2016
NSQC Clearance Date	05/08/2015

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

This unit/task 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>	5	9	-	7
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>	3	5	-	4
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>	3	4	-	3
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>	4	2	-	1
12. monitor the workplace and work processes for potential risks and threat	2	1	-	-
13. align them with organisation standards	2	1	-	1
NOS Total	15	20	-	15

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9004
NOS Name	Comply with industry and organizational requirement
Sector	Textile
Sub-Sector	Spinning, Weaving, Processing, Knitting
Occupation	Textile Mill sector - Cotton
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	25/02/2015
Next Review Date	01/03/2016
NSQC Clearance Date	05/08/2015

Qualification Pack

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 : 70

(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

Qualification Pack

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N0204.Carryout cleaning activities at Ring Frame	56	93	-	51	200	27
TSC/N9001.Maintain work area, tools and machines	17	20	-	13	50	7
TSC/N9002.Working in a team	19	20	-	11	50	7
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	7
Total	238	325	-	187	750	100

Acronyms

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

Qualification Pack

Glossary

Sector	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.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	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.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	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.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	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.
Scope	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

Knowledge and Understanding (KU)	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.
Organisational Context	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.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	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.
Electives	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.
Options	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.