



Textile Finishing Machine Operator

Electives: Stenter/ Sanforiser/ Relax Dryer/ Compactor

QP Code: TSC/Q5405

Version: 2.0

NSQF Level: 2

Textile Sector Skill Council || 14-H, 14th Floor, Hansalaya Building, 15, Barakhamba Road
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Qualification Pack

Contents

TSC/Q5405: Textile Finishing Machine Operator	3
<i>Brief Job Description</i>	3
Applicable National Occupational Standards (NOS)	3
<i>Compulsory NOS</i>	3
<i>Elective 1: Stenter</i>	3
<i>Elective 2: Sanforiser</i>	3
<i>Elective 3: Relax Dryer</i>	4
<i>Elective 4: Compactor</i>	4
<i>Qualification Pack (QP) Parameters</i>	4
TSC/N9015: Follow machine, safety, and organizational guidelines in textile sector	6
TSC/N9016: Follow teamwork, adaptability, and communication guidelines in textile sector	13
DGT/VSQ/N0101: Employability Skills (30 Hours)	18
TSC/N5415: Carryout shift change, production and preparation of chemicals at stenter machine department	24
TSC/N5416: Carryout shift change, production and quality analyse at sanforising department	32
TSC/N5417: Carryout shift change, production and quality analyse at relax dryer department	42
TSC/N5418: Carryout shift change, production and quality analyse at compacting department	51
Assessment Guidelines and Weightage	60
<i>Assessment Guidelines</i>	60
<i>Assessment Weightage</i>	61
Acronyms	63
Glossary	64

Qualification Pack

TSC/Q5405: Textile Finishing Machine Operator

Brief Job Description

A Textile Finishing Machine Operator is responsible to do the specified job of drying, heat setting and finishing of fabric with proper control of parameters to get the desired effect. This job requires the individual to have thorough knowledge of process flow and material flow in a processing mill for fabric production and should know the important functions and operations of a finishing machine.

Personal Attributes

A Textile Post Processing Machine Operator should have physical attributes like dexterity, coordination, motor skills, strength, stamina and handle heavy equipment. A Textile post processing machine operator should also have sensory attributes like hearing ability and vision (normal distance vision, color vision, night vision, peripheral vision, depth perception and ability to change focus).

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [TSC/N9015: Follow machine, safety, and organizational guidelines in textile sector](#)
2. [TSC/N9016: Follow teamwork, adaptability, and communication guidelines in textile sector](#)
3. [DGT/VSQ/N0101: Employability Skills \(30 Hours\)](#)

Electives(*mandatory to select at least one*):

Elective 1: Stenter

A Stenter Machine Operator is responsible to do the specified job of drying, heat setting and finishing of fabric with proper control of parameters to get the desired effect. This job requires the individual to have thorough knowledge of process flow and material flow in a processing mill for fabric production and should know the important functions and operations of a Stenter machine.

1. [TSC/N5415: Carryout shift change, production and preparation of chemicals at stenter machine department](#)

Elective 2: Sanforiser

A Sanforising Machine Operator (Zero-Zero) is responsible to do the specified job of finishing of fabric with proper control of parameters to get the desired effect on a Sanforizing Machine. He should be able to operate the machine, carry out routine cleaning & preventive maintenance activities to produce defect free fabric. This job requires the individual to have thorough knowledge of process flow and material flow in a processing mill for fabric production and should know the important functions and operations of a

Sanforizing machine.

1. [TSC/N5416: Carryout shift change, production and quality analyse at sanforising department](#)

Elective 3: Relax Dryer

A Relax Dryer Operator is responsible to do the specified job of Drying, Relaxing & Shrinking of Knitted fabric in Tubular or Open Width form with proper control of parameters to get the desired effect on a Relax Dryer machine. The operator should be able to operate the machine, carry out routine cleaning & preventive maintenance activities to produce defect free fabric.

1. [TSC/N5417: Carryout shift change, production and quality analyse at relax dryer department](#)

Elective 4: Compactor

A Compacting Machine Operator is responsible to do the specified job of shrinking & compacting of knitted fabric with proper control of parameters to get the desired effect on a Compacting Machine. He should be able to operate the machine, carry out routine cleaning & preventive maintenance activities to produce defect free fabric.

1. [TSC/N5418: Carryout shift change, production and quality analyse at compacting department](#)

Qualification Pack (QP) Parameters

Sector	Textile
Sub-Sector	Processing - Textiles
Occupation	Textile Finishing
Country	India
NSQF Level	2
Credits	32
Aligned to NCO/ISCO/ISIC Code	NCO-2015/8154.21
Minimum Educational Qualification & Experience	Ability to read and write
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	NA

Qualification Pack

Next Review Date	25/11/2024
NSQC Approval Date	17/11/2022
Version	2.0
Reference code on NQR	2022/TEXT/TSC/07034
NQR Version	1.0

TSC/N9015: Follow machine, safety, and organizational guidelines in textile sector

Description

This unit provides performance criteria, knowledge and skills required to follow machine, safety and organizational guidelines in textile sector.

Scope

The scope covers the following :

- Maintaining the work area, tools and machines
- Greening and energy conservation in textile sector
- Health, safety and response to emergencies at textile sector
- Organizational standards and policies

Elements and Performance Criteria

Maintaining the work area, tools and machines

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

- PC1.** handle materials, machinery, equipment and tools as per standard procedure
- PC2.** use appropriate material handling equipment and tools as per standard procedure
- PC3.** keep the equipment, machine and work area clean using appropriate cleaning tools as per standard procedure
- PC4.** undertake minor routine maintenance of equipment and tools as per standard maintenance procedure
- PC5.** maintain record for defective and unsafe equipment and tools
- PC6.** verify that machine guards are in place as per standard specifications
- PC7.** follow specified ergonomics for the assigned job role in textile sector
- PC8.** collect and store worn-out spare parts at specified location
- PC9.** report the condition of worn out parts as per standard procedure

Greening and energy conservation in textile sector

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

- PC10.** segregate wastes such as recyclable, non-recyclable, hazardous as per standard protocol
- PC11.** optimize usage of material and resources including water, electricity in various tasks
- PC12.** switch off the machines and lights when not in use

Health, safety and response to emergencies at textile sector

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

- PC13.** use Personal Protective Equipment (PPEs) like body protector, ear plugs, nose mask, head cap, etc. as per guidelines
- PC14.** identify abnormal sounds emanating from faulty or worn out machine parts and take appropriate action
- PC15.** avoid dependency on any type of intoxicants

Qualification Pack

- PC16.** maintain social distance as per the instruction at workplace
- PC17.** report hazardous material to superiors at workplace
- PC18.** use the various appropriate fire extinguishers on different types of fires correctly
- PC19.** follow the specified steps in case of electricity failure
- PC20.** lift heavy objects using correct lifting procedures
- PC21.** recall emergency exits, safe spots, etc. of workplace
- PC22.** practice mock drills and evacuation procedures organized by industry
- PC23.** assist others to reach to safe spots in emergency situations
- PC24.** provide basic first aid for injury to peers and report to superiors
- PC25.** interpret different signs, alarms and take action appropriately
- PC26.** follow the guidelines while working in hazards atmosphere
- PC27.** assist in designing the safety plans with peers and superiors
- PC28.** follow the approved safety plans at workplace

Organizational standards and policies

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

- PC29.** perform assigned duties as per organization's protocol within scheduled time period
- PC30.** follow organization policies, quality standards, rules and regulations for working in textile sector
- PC31.** motivate colleagues to follow operational guidelines of organization
- PC32.** wear specified uniform and follow etiquette as per standard guidelines for the textile sector
- PC33.** maintain hygienic working atmosphere as per protocol of the textile sector
- PC34.** submit lost and found articles as per standard protocol

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** organizational standard procedures, quality standards, rules, codes, policies and safety standards in the textile sector
- KU2.** different type of tools and equipment used in textile sub- sector and their specifications and operating procedures
- KU3.** safe handling procedure of tools and equipment
- KU4.** the importance of displays and written instructions for the allocated machines
- KU5.** dos and donts specific to the assigned work responsibilities
- KU6.** protocol for minimizing the wastage of material, effort and time
- KU7.** organization's formats and procedures for reporting production, defects, faults, material/tool requisition and quality parameters and task completed for assigned job
- KU8.** schedule for cleaning and waste collection for the assigned job role
- KU9.** importance and standard procedure for disposal of soft, hard, non-hazardous and hazardous wastes and materials
- KU10.** available types of material handling equipment and handling methods used in the textile sector

Qualification Pack

- KU11.** hazards of unsafe workplace conditions and procedures in the textile industry and methods to avoid hazards
- KU12.** various types of fire extinguishers
- KU13.** importance of stable mental condition in case of emergency
- KU14.** correct work posture and importance of ergonomics for the assigned job role
- KU15.** organizational quality systems like quality circle, 5S, ISO, SA, etc. followed in the textile sector
- KU16.** importance of following work wear standards, behavioral protocols and etiquette in the textile sector
- KU17.** importance of energy conservation through proper maintenance schedule in the textile sector
- KU18.** procedures and formats for reporting lost and found material
- KU19.** different types of alarms and their significance

Generic Skills (GS)

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

- GS1.** read and comprehend policies in notice boards displayed in the workplace
- GS2.** minimize the resource consumption for the assigned task
- GS3.** solve basic arithmetic calculations related to assigned job role
- GS4.** recognize and differentiate colors of materials used in textile sector
- GS5.** lift specified materials for the allotted task using prescribed ergonomic position
- GS6.** exhibit motor skill required for the allotted task

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>	10	10	-	6
PC1. handle materials, machinery, equipment and tools as per standard procedure	-	-	-	-
PC2. use appropriate material handling equipment and tools as per standard procedure	-	-	-	-
PC3. keep the equipment, machine and work area clean using appropriate cleaning tools as per standard procedure	-	-	-	-
PC4. undertake minor routine maintenance of equipment and tools as per standard maintenance procedure	-	-	-	-
PC5. maintain record for defective and unsafe equipment and tools	-	-	-	-
PC6. verify that machine guards are in place as per standard specifications	-	-	-	-
PC7. follow specified ergonomics for the assigned job role in textile sector	-	-	-	-
PC8. collect and store worn-out spare parts at specified location	-	-	-	-
PC9. report the condition of worn out parts as per standard procedure	-	-	-	-
<i>Greening and energy conservation in textile sector</i>	7	10	-	6
PC10. segregate wastes such as recyclable, non-recyclable, hazardous as per standard protocol	-	-	-	-
PC11. optimize usage of material and resources including water, electricity in various tasks	-	-	-	-
PC12. switch off the machines and lights when not in use	-	-	-	-
<i>Health, safety and response to emergencies at textile sector</i>	32	40	-	28

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. use Personal Protective Equipment (PPEs) like body protector, ear plugs, nose mask, head cap, etc. as per guidelines	-	-	-	-
PC14. identify abnormal sounds emanating from faulty or worn out machine parts and take appropriate action	-	-	-	-
PC15. avoid dependency on any type of intoxicants	-	-	-	-
PC16. maintain social distance as per the instruction at workplace	-	-	-	-
PC17. report hazardous material to superiors at workplace	-	-	-	-
PC18. use the various appropriate fire extinguishers on different types of fires correctly	-	-	-	-
PC19. follow the specified steps in case of electricity failure	-	-	-	-
PC20. lift heavy objects using correct lifting procedures	-	-	-	-
PC21. recall emergency exits, safe spots, etc. of workplace	-	-	-	-
PC22. practice mock drills and evacuation procedures organized by industry	-	-	-	-
PC23. assist others to reach to safe spots in emergency situations	-	-	-	-
PC24. provide basic first aid for injury to peers and report to superiors	-	-	-	-
PC25. interpret different signs, alarms and take action appropriately	-	-	-	-
PC26. follow the guidelines while working in hazards atmosphere	-	-	-	-
PC27. assist in designing the safety plans with peers and superiors	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC28. follow the approved safety plans at workplace	-	-	-	-
<i>Organizational standards and policies</i>	16	20	-	10
PC29. perform assigned duties as per organization's protocol within scheduled time period	-	-	-	-
PC30. follow organization policies, quality standards, rules and regulations for working in textile sector	-	-	-	-
PC31. motivate colleagues to follow operational guidelines of organization	-	-	-	-
PC32. wear specified uniform and follow etiquette as per standard guidelines for the textile sector	-	-	-	-
PC33. maintain hygienic working atmosphere as per protocol of the textile sector	-	-	-	-
PC34. submit lost and found articles as per standard protocol	-	-	-	-
NOS Total	65	80	-	50

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9015
NOS Name	Follow machine, safety, and organizational guidelines in textile sector
Sector	Textile
Sub-Sector	Generic - Textiles Handloom
Occupation	Generic - Textiles & Handloom
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	27/01/2022
Next Review Date	31/03/2025
NSQC Clearance Date	17/11/2022

Qualification Pack

TSC/N9016: Follow teamwork, adaptability, and communication guidelines in textile sector

Description

This unit provides performance criteria, knowledge and skills required to follow team work, communication and adaptability in textile sector

Scope

The scope covers the following :

- Teamwork and communication
- Adaptability

Elements and Performance Criteria

Teamwork, trust and communication

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

- PC1.** contribute to create a positive work environment in the team
- PC2.** carry out tasks as per instructions received from superiors
- PC3.** contribute to team work as per allocated responsibility to complete the task by using appropriate tools and methods
- PC4.** build trust with team mates and superiors
- PC5.** implement the ideas after superior's approval at work place
- PC6.** communicate clearly with the team members as per standard protocol
- PC7.** use suggested hand signs, vocal sound signals to convey the information in the production area
- PC8.** listen effectively to the ideas and concerns of the peers
- PC9.** use correct and respectful terms while communicating as per industry policy
- PC10.** express views proactively and effectively
- PC11.** make efforts to resolve difference of opinion with superiors and team members
- PC12.** report to superior for problems identified in assigned duty
- PC13.** report the daily performance to superior in prescribed manner and formats

Adaptability

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

- PC14.** adapt to flexible work environment for the assigned task
- PC15.** adapt to work with various members of different ethnicity, gender and PwD without biases
- PC16.** consider opinions of colleagues, fitters, superiors for the assigned task
- PC17.** plan the work-routine within the limits of the responsibility
- PC18.** adopt new ideas after due approval from superior for improving the productivity

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** importance of teamwork and discipline
- KU2.** limits and responsibilities for the assigned duties in the textile sector
- KU3.** possible conflicts in the assigned job role and methods to resolve the same
- KU4.** importance of teamwork, group discussions and healthy work environment
- KU5.** importance of reporting as per the standard protocol
- KU6.** hierarchy of communication and communication etiquettes in the textile sector
- KU7.** protocol for communication with different ethnicity, gender and PwD
- KU8.** report and grievance submission formats
- KU9.** importance of hand, vocal sound signals in the textile sector

Generic Skills (GS)

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

- GS1.** read and comprehend written instructions
- GS2.** listen effectivity for the instructions
- GS3.** coordinate with team mates for the allotted tasks
- GS4.** use and comprehend prescribed voice and hand signals in the textile production area
- GS5.** fill forms and prepare reports such as production report, material requisition forms, leave application, etc. as per standard formats

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Teamwork, trust and communication</i>	10	15	-	5
PC1. contribute to create a positive work environment in the team	-	-	-	-
PC2. carry out tasks as per instructions received from superiors	-	-	-	-
PC3. contribute to team work as per allocated responsibility to complete the task by using appropriate tools and methods	-	-	-	-
PC4. build trust with team mates and superiors	-	-	-	-
PC5. implement the ideas after superior's approval at work place	-	-	-	-
PC6. communicate clearly with the team members as per standard protocol	-	-	-	-
PC7. use suggested hand signs, vocal sound signals to convey the information in the production area	-	-	-	-
PC8. listen effectively to the ideas and concerns of the peers	-	-	-	-
PC9. use correct and respectful terms while communicating as per industry policy	-	-	-	-
PC10. express views proactively and effectively	-	-	-	-
PC11. make efforts to resolve difference of opinion with superiors and team members	-	-	-	-
PC12. report to superior for problems identified in assigned duty	-	-	-	-
PC13. report the daily performance to superior in prescribed manner and formats	-	-	-	-
<i>Adaptability</i>	5	5	-	5
PC14. adapt to flexible work environment for the assigned task	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC15. adapt to work with various members of different ethnicity, gender and PwD without biases	-	-	-	-
PC16. consider opinions of colleagues, fitters, superiors for the assigned task	-	-	-	-
PC17. plan the work-routine within the limits of the responsibility	-	-	-	-
PC18. adopt new ideas after due approval from superior for improving the productivity	-	-	-	-
NOS Total	15	20	-	10

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9016
NOS Name	Follow teamwork, adaptability, and communication guidelines in textile sector
Sector	Textile
Sub-Sector	Generic - Textiles Handloom
Occupation	Generic - Textiles & Handloom
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	27/01/2022
Next Review Date	31/03/2025
NSQC Clearance Date	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

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

- 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>	1	1	-	-
PC1. understand the significance of employability skills in meeting the job requirements	-	-	-	-
<i>Constitutional values – Citizenship</i>	1	1	-	-
PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	1	3	-	-
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.	-	-	-	-
<i>Basic English Skills</i>	2	3	-	-
PC4. speak with others using some basic English phrases or sentences	-	-	-	-
<i>Communication Skills</i>	1	1	-	-
PC5. follow good manners while communicating with others	-	-	-	-
PC6. work with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	1	-	-
PC7. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC8. report any issues related to sexual harassment	-	-	-	-
<i>Financial and Legal Literacy</i>	3	4	-	-
PC9. use various financial products and services safely and securely	-	-	-	-

Qualification Pack

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

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	DGT/VSQ/N0101
NOS Name	Employability Skills (30 Hours)
Sector	Cross Sectoral
Sub-Sector	Professional Skills
Occupation	Employability
NSQF Level	2
Credits	1
Version	1.0
Last Reviewed Date	NA
Next Review Date	30/12/2024
NSQC Clearance Date	30/12/2021

Qualification Pack

TSC/N5415: Carryout shift change, production and preparation of chemicals at stenter machine department

Description

This OS unit is about carryout shift change, production and preparation of chemicals at stenter machine department by following the standard work place method

Scope

The scope covers the following :

- Taking charge of shift from stenter machine operator
- Handing over shift to stenter machine operator
- Carry out preparatory activities for operations in the machine
- Operate the machine for specified tasks as per the work order
- Clean the machine on a regular basis and carryout preventive maintenance activities
- Dissolving and mixing the chemicals
- Feeding the chemicals into the mangle trough

Elements and Performance Criteria

Taking charge of shift from stenter machine operator

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

- PC1.** come at least 10 - 15 minutes earlier to the work place
- PC2.** bring the necessary operational tools to the department
- PC3.** meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality, production, spare, safety or any other specific instruction etc.
- PC4.** understand the fabric being processed & process running on the machine
- PC5.** ensure the technical details are mentioned on the job card display on the machine
- PC6.** check for the availability of the spare trolley / batching trolley for unloading the fabric
- PC7.** check the next batch to be processed is ready near the machine
- PC8.** ensure the required chemicals are already weighed & prepared
- PC9.** check the cleanliness of the machines & other work areas
- PC10.** question the previous shift operator for any deviation in the above and bring the same to the knowledge of his/ her shift superior as well as that of the previous shift.
- PC11.** take charge of the shift from the outgoing Stenter Machine Operator in a proper manner

Handing over shift to stenter machine operator

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

- PC12.** ensure in providing the details regarding fabric quality & the process running on the machine
- PC13.** to provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine.
- PC14.** ensure the empty trolley is near the machine for unloading the fabric

Qualification Pack

- PC15.** ensure the next lot to be processed is ready near the machine already stitched & arranged properly
- PC16.** ensure the required chemicals for the next lot or next process are weighed & prepared
- PC17.** get clearance from the incoming counterpart before leaving the work spot
- PC18.** report to his/ her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift
- PC19.** ensure the shift has to be properly handed over to the incoming shift operator
- PC20.** 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
- PC21.** collect the wastes from waste collection bags, weigh them and transport to storage area
- PC22.** ensure the machine and its work place is clean

Carry out preparatory activities for operations in the machine

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

- PC23.** clean the machine properly including filters, radiators, exhaust system, cooling zone, entry & exit rails, feeding & delivery ends, chemical trough & squeezing rolls.
- PC24.** feed the fabric from the batch or trolley using guide rolls, compensating device & fabric centering devices
- PC25.** check the fabric width & set the machine width accordingly

Operate the machine for specified tasks as per the work order

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

- PC26.** know the operations of the machine
- PC27.** read & understand the process being followed to do the task
- PC28.** set the width maximum and minimum once a day keep even tension on fabric throughout the process
- PC29.** keep optimum pressure of the squeezer rolls to get specified results
- PC30.** set the required temp & fan speeds in all chambers
- PC31.** feed the fabric to the stenter chain
- PC32.** adjust the overfeed device as per the requirement of the fabric
- PC33.** start the machine & take out the fabric at the delivery end
- PC34.** check various control parameters such as temp, fabric width, mangle pressure & machine speed at regular interval

Clean the machine on a regular basis and carryout preventive maintenance activities

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

- PC35.** make sure the machine is kept clean at all times, before loading, while running & after unloading the fabric
- PC36.** follow the preventive maintenance schedule & ensure the machine is running smoothly
- PC37.** check that all controls are functioning properly
- PC38.** ensure the right quality of water, steam & air is available for proper functioning of machine
- PC39.** cool down the machine after completion of the job

Dissolving and mixing the chemicals

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

Qualification Pack

- PC40.** dissolve the pre weighed or dispensed chemicals in the drum
- PC41.** stir & mix the chemicals properly to make a homogenous liquid
- PC42.** adjust the ph, temp & concentration of the mixture as specified in the finishing recipe

Feeding the chemicals into the mangle trough

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

- PC43.** filter through filtering cloth and, feed the chemicals either manually or via pump to the mangle trough
- PC44.** adjust the mangle pressure to get the required pick up

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the importance of quality & productivity
- KU2.** various defects in the fabric due to yarn, weaving or processing
- KU3.** reasons for various defects in the fabric due to processing & their remedy
- KU4.** process flow in a processing unit
- KU5.** material flow in a processing unit
- KU6.** functions of various controls of the machine
- KU7.** importance of material handling and types of material handling equipment being used
- KU8.** importance of cleanliness at workplace
- KU9.** functions and methodology for operating different material handling equipment
- KU10.** the functions of various alarm signals
- KU11.** safety procedures to be followed while operating the machine
- KU12.** standard operating procedure (SOP) and regulations in processing unit
- KU13.** safe working practices to be adopted in processing unit
- KU14.** standard moisture contents in dried / finished fabric
- KU15.** procedure of feeding / threading the fabric to pin or clip stenter
- KU16.** knowledge about optimum mangle pressure for drying & finishing processes
- KU17.** various finishes for different product types
- KU18.** basic knowledge about drying, heat setting & finishing temp of various products

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 good attention to detail

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Taking charge of shift from stenter machine operator</i>	9	10	-	11
PC1. come at least 10 - 15 minutes earlier to the work place	-	-	-	-
PC2. bring the necessary operational tools to the department	-	-	-	-
PC3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality, production, spare, safety or any other specific instruction etc.	-	-	-	-
PC4. understand the fabric being processed & process running on the machine	-	-	-	-
PC5. ensure the technical details are mentioned on the job card display on the machine	-	-	-	-
PC6. check for the availability of the spare trolley / batching trolley for unloading the fabric	-	-	-	-
PC7. check the next batch to be processed is ready near the machine	-	-	-	-
PC8. ensure the required chemicals are already weighed & prepared	-	-	-	-
PC9. check the cleanliness of the machines & other work areas	-	-	-	-
PC10. question the previous shift operator for any deviation in the above and bring the same to the knowledge of his/ her shift superior as well as that of the previous shift.	-	-	-	-
PC11. take charge of the shift from the outgoing Stenter Machine Operator in a proper manner	-	-	-	-
<i>Handing over shift to stenter machine operator</i>	9	10	-	11
PC12. ensure in providing the details regarding fabric quality & the process running on the machine	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. to provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine.	-	-	-	-
PC14. ensure the empty trolley is near the machine for unloading the fabric	-	-	-	-
PC15. ensure the next lot to be processed is ready near the machine already stitched & arranged properly	-	-	-	-
PC16. ensure the required chemicals for the next lot or next process are weighed & prepared	-	-	-	-
PC17. get clearance from the incoming counterpart before leaving the work spot	-	-	-	-
PC18. report to his/ her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift	-	-	-	-
PC19. ensure the shift has to be properly handed over to the incoming shift operator	-	-	-	-
PC20. 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	-	-	-	-
PC21. collect the wastes from waste collection bags, weigh them and transport to storage area	-	-	-	-
PC22. ensure the machine and its work place is clean	-	-	-	-
<i>Carry out preparatory activities for operations in the machine</i>	10	20	-	8
PC23. clean the machine properly including filters, radiators, exhaust system, cooling zone, entry & exit rails, feeding & delivery ends, chemical trough & squeezing rolls.	-	-	-	-
PC24. feed the fabric from the batch or trolley using guide rolls, compensating device & fabric centering devices	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC25. check the fabric width & set the machine width accordingly	-	-	-	-
<i>Operate the machine for specified tasks as per the work order</i>	50	100	-	5
PC26. know the operations of the machine	-	-	-	-
PC27. read & understand the process being followed to do the task	-	-	-	-
PC28. set the width maximum and minimum once a day keep even tension on fabric throughout the process	-	-	-	-
PC29. keep optimum pressure of the squeezer rolls to get specified results	-	-	-	-
PC30. set the required temp & fan speeds in all chambers	-	-	-	-
PC31. feed the fabric to the stenter chain	-	-	-	-
PC32. adjust the overfeed device as per the requirement of the fabric	-	-	-	-
PC33. start the machine & take out the fabric at the delivery end	-	-	-	-
PC34. check various control parameters such as temp, fabric width, mangle pressure & machine speed at regular interval	-	-	-	-
<i>Clean the machine on a regular basis and carryout preventive maintenance activities</i>	50	100	-	5
PC35. make sure the machine is kept clean at all times, before loading, while running & after unloading the fabric	-	-	-	-
PC36. follow the preventive maintenance schedule & ensure the machine is running smoothly	-	-	-	-
PC37. check that all controls are functioning properly	-	-	-	-
PC38. ensure the right quality of water, steam & air is available for proper functioning of machine	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC39. cool down the machine after completion of the job	-	-	-	-
<i>Dissolving and mixing the chemicals</i>	36	85	-	5
PC40. dissolve the pre weighed or dispensed chemicals in the drum	-	-	-	-
PC41. stir & mix the chemicals properly to make a homogenous liquid	-	-	-	-
PC42. adjust the ph, temp & concentration of the mixture as specified in the finishing recipe	-	-	-	-
<i>Feeding the chemicals into the mangle trough</i>	36	85	-	5
PC43. filter through filtering cloth and, feed the chemicals either manually or via pump to the mangle trough	-	-	-	-
PC44. adjust the mangle pressure to get the required pick up	-	-	-	-
NOS Total	200	410	-	50

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N5415
NOS Name	Carryout shift change, production and preparation of chemicals at stenter machine department
Sector	Textile
Sub-Sector	Processing - Textiles
Occupation	Textile Finishing
NSQF Level	2
Credits	TBD
Version	1.0
Last Reviewed Date	NA
Next Review Date	25/11/2024
NSQC Clearance Date	17/11/2022

Qualification Pack

TSC/N5416: Carryout shift change, production and quality analyse at sanforising department

Description

This OS unit is about carryout shift change, production and quality analyse at sanforising department by following the standard work place method

Scope

The scope covers the following :

- Taking charge of shift from finishing machine operator (Sanforizer)
- Handing Over Shift to finishing machine operator (zero zero/ compactor)
- Carry out preparatory activities for operations in the machine
- Operate the machine for specified tasks as per work order
- Clean the machine on a regular basis and carryout preventive maintenance activities
- Taking out the sample after sanforizing & comparing it with the standard

Elements and Performance Criteria

Taking charge of shift from finishing machine operator (Sanforizer)

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

- PC1.** come at least 10 - 15 minutes earlier to the work place
- PC2.** bring the necessary operational tools to the department
- PC3.** meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality or production or spare or safety or any other specific instruction etc
- PC4.** understand the fabric being processed & process running on the machine
- PC5.** ensure the technical details are mentioned on the job card display on the machine
- PC6.** check for the availability of the spare trolley for unloading the fabric
- PC7.** check the next batch to be processed is ready near the machine
- PC8.** ensure the required dyes & chemicals are already weighed & prepared
- PC9.** check the cleanliness of the machines & other work areas
- PC10.** question the previous shift operator for any deviation in the above and bring the same to the knowledge of His/ Her shift Superior as well that of the previous shift as well

Handing Over Shift to finishing machine operator (zero zero/ compactor)

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

- PC11.** hand over the shift to the incoming operator in a proper manner
- PC12.** ensure in providing the details regarding fabric quality & the process running on the machine
- PC13.** provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine
- PC14.** ensure the empty trolley is near the machine for unloading the fabric

Qualification Pack

- PC15.** ensure the next lot to be processed is ready near the machine already stitched & arranged properly
- PC16.** ensure the required dyes & chemicals for the next lot or next process are weighed & prepared
- PC17.** get clearance from the incoming counterpart before leaving the work spot
- PC18.** report to His/ Her shift Superiors as well as that of the incoming shift operator in case His/ Her counterpart doesn't report for the incoming shift
- PC19.** ensure the shift has to be properly handed over to the incoming shift operator
- PC20.** 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

PC21. collect the wastes from waste collection bags, weigh them and transport to storage area

PC22. ensure the machine and its work place is clean

Carry out preparatory activities for operations in the machine

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

- PC23.** understand the task mentioned in the work order
- PC24.** read & understand the fabric parameters properly
- PC25.** bring the fabric trolley or batch near the machine
- PC26.** join the feeding cloth/ end piece to the fabric to be processed
- PC27.** check for any unstitched or loose ends & join them
- PC28.** check the width of the fabric before sanforizing
- PC29.** ensure that the machine is clean
- PC30.** feed the fabric from the batch/trolley in the center of the machine
- PC31.** ensure fabric is crease-less and evenly spread into the machine
- PC32.** open steam valve & drain the condensate from the line
- PC33.** drain water from air line
- PC34.** set the overfeed & the compression values as specified in the work order
- PC35.** arrange empty trolley or batch for rolling at the exit end

Operate the machine for specified tasks as per work order

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

- PC36.** know the operations of the sanforizing machine
- PC37.** read & understand the process being followed to do the task
- PC38.** keep even tension on fabric throughout the process
- PC39.** adjust the Rubber Felt compression to the desired level and in accordance with rubber felt supplier norms
- PC40.** use selvedge uncurlers & fabric spreader rollers for feeding the fabric
- PC41.** set the required temp of machine
- PC42.** set the required pressure of compression roller on the felt
- PC43.** start the machine & adjust the overfeed & compression to the optimum
- PC44.** ensure that all safety devices are operational
- PC45.** take out fabric either on batch or trolley from the other end

Qualification Pack

- PC46.** check the width of the fabric after sanforizing
- PC47.** check the fabric for feel, lustre & other parameters as specified
- PC48.** adjust the machine speed or overfeed according to required finish
- PC49.** keep next trolley or batch ready both at entry and exit
- PC50.** use scray or j- box for continuous operation of machine
- PC51.** record the shift production in the production register
- PC52.** record all stoppages & breakdowns in the register
- PC53.** cool down the machine before shutting down completely

Clean the machine on a regular basis and carryout preventive maintenance activities

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

- PC54.** make sure the machine is kept clean at all times
- PC55.** follow the preventive maintenance schedule & ensure the machine is running smoothly
- PC56.** check that all controls are functioning properly
- PC57.** ensure the right quality of water, steam & air is available for proper functioning of machine
- PC58.** ensure there is no leakage in steam, air or water line
- PC59.** oiling the moving parts of machine as specified in the operation manual
- PC60.** stop the machine in case of any abnormal sound & report the matter to the concerned person & supervisor
- PC61.** cool down the machine after completion of job

Taking out the sample after sanforizing & comparing it with the standard

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

- PC62.** taking out the sample after sanforizing near the stitch
- PC63.** compare the sample with the standard
- PC64.** take the sample to your supervisor if the sample is not matching to the standard for decision

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard operating procedures (SOP) and regulations in a processing unit
- KU2.** safe working practices to be adopted in processing unit
- KU3.** quality systems and other processes practiced in the processing unit
- KU4.** reporting to the supervisor or higher authority in case of emergency
- KU5.** color coding adopted for different counts in the processing unit
- KU6.** understand process flow in a processing unit
- KU7.** understand material flow in a processing unit
- KU8.** understand functions of various controls of the machine
- KU9.** understand importance of material handling and types of material handling equipment being used
- KU10.** understand importance of cleanliness at workplace
- KU11.** understand functions and methodology for operating different material handling equipment

Qualification Pack

- KU12.** understand the functions of various alarm signals
- KU13.** procedure followed to get the final output in processing unit
- KU14.** defects in the fabric due to finishing or sanforizing & their rectification
- KU15.** standard parameters of shrinkage in various products
- KU16.** methods to achieve optimum shrinkage in finished fabric
- KU17.** functions of various hydraulic & pneumatic controls
- KU18.** operation of various valves & traps etc.
- KU19.** operation of various devices & tools
- KU20.** use of batching devices for fabric roll up
- KU21.** use of correct cutting tools such as scissors / knife
- KU22.** method of conditioning the sample before comparison
- KU23.** recording the details of sample such as sort, batch no.

Generic Skills (GS)

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

- GS1.** write clear and short sentences
- GS2.** read and comprehend written instructions
- GS3.** refer anomalies to the supervisor
- GS4.** apply good attention to detail

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Taking charge of shift from finishing machine operator (Sanforizer)</i>	9	10	-	11
PC1. come at least 10 - 15 minutes earlier to the work place	-	-	-	-
PC2. bring the necessary operational tools to the department	-	-	-	-
PC3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality or production or spare or safety or any other specific instruction etc	-	-	-	-
PC4. understand the fabric being processed & process running on the machine	-	-	-	-
PC5. ensure the technical details are mentioned on the job card display on the machine	-	-	-	-
PC6. check for the availability of the spare trolley for unloading the fabric	-	-	-	-
PC7. check the next batch to be processed is ready near the machine	-	-	-	-
PC8. ensure the required dyes & chemicals are already weighed & prepared	-	-	-	-
PC9. check the cleanliness of the machines & other work areas	-	-	-	-
PC10. question the previous shift operator for any deviation in the above and bring the same to the knowledge of His/ Her shift Superior as well that of the previous shift as well	-	-	-	-
<i>Handing Over Shift to finishing machine operator (zero zero/ compactor)</i>	9	10	-	11
PC11. hand over the shift to the incoming operator in a proper manner	-	-	-	-
PC12. ensure in providing the details regarding fabric quality & the process running on the machine	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine	-	-	-	-
PC14. ensure the empty trolley is near the machine for unloading the fabric	-	-	-	-
PC15. ensure the next lot to be processed is ready near the machine already stitched & arranged properly	-	-	-	-
PC16. ensure the required dyes & chemicals for the next lot or next process are weighed & prepared	-	-	-	-
PC17. get clearance from the incoming counterpart before leaving the work spot	-	-	-	-
PC18. report to His/ Her shift Superiors as well as that of the incoming shift operator in case His/ Her counterpart doesn't report for the incoming shift	-	-	-	-
PC19. ensure the shift has to be properly handed over to the incoming shift operator	-	-	-	-
PC20. 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	-	-	-	-
PC21. collect the wastes from waste collection bags, weigh them and transport to storage area	-	-	-	-
PC22. ensure the machine and its work place is clean	-	-	-	-
<i>Carry out preparatory activities for operations in the machine</i>	52	110	-	8
PC23. understand the task mentioned in the work order	-	-	-	-
PC24. read & understand the fabric parameters properly	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC25. bring the fabric trolley or batch near the machine	-	-	-	-
PC26. join the feeding cloth/ end piece to the fabric to be processed	-	-	-	-
PC27. check for any unstitched or loose ends & join them	-	-	-	-
PC28. check the width of the fabric before sanforizing	-	-	-	-
PC29. ensure that the machine is clean	-	-	-	-
PC30. feed the fabric from the batch/trolley in the center of the machine	-	-	-	-
PC31. ensure fabric is crease-less and evenly spread into the machine	-	-	-	-
PC32. open steam valve & drain the condensate from the line	-	-	-	-
PC33. drain water from air line	-	-	-	-
PC34. set the overfeed & the compression values as specified in the work order	-	-	-	-
PC35. arrange empty trolley or batch for rolling at the exit end	-	-	-	-
<i>Operate the machine for specified tasks as per work order</i>	50	110	-	8
PC36. know the operations of the sanforizing machine	-	-	-	-
PC37. read & understand the process being followed to do the task	-	-	-	-
PC38. keep even tension on fabric throughout the process	-	-	-	-
PC39. adjust the Rubber Felt compression to the desired level and in accordance with rubber felt supplier norms	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC40. use selvage uncurlers& fabric spreader rollers for feeding the fabric	-	-	-	-
PC41. set the required temp of machine	-	-	-	-
PC42. set the required pressure of compression roller on the felt	-	-	-	-
PC43. start the machine & adjust the overfeed & compression to the optimum	-	-	-	-
PC44. ensure that all safety devices are operational	-	-	-	-
PC45. take out fabric either on batch or trolley from the other end	-	-	-	-
PC46. check the width of the fabric after sanforizing	-	-	-	-
PC47. check the fabric for feel, lustre & other parameters as specified	-	-	-	-
PC48. adjust the machine speed or overfeed according to required finish	-	-	-	-
PC49. keep next trolley or batch ready both at entry and exit	-	-	-	-
PC50. use scray or j- box for continuous operation of machine	-	-	-	-
PC51. record the shift production in the production register	-	-	-	-
PC52. record all stoppages & breakdowns in the register	-	-	-	-
PC53. cool down the machine before shutting down completely	-	-	-	-
<i>Clean the machine on a regular basis and carryout preventive maintenance activities</i>	40	85	-	7
PC54. make sure the machine is kept clean at all times	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC55. follow the preventive maintenance schedule & ensure the machine is running smoothly	-	-	-	-
PC56. check that all controls are functioning properly	-	-	-	-
PC57. ensure the right quality of water, steam & air is available for proper functioning of machine	-	-	-	-
PC58. ensure there is no leakage in steam, air or water line	-	-	-	-
PC59. oiling the moving parts of machine as specified in the operation manual	-	-	-	-
PC60. stop the machine in case of any abnormal sound & report the matter to the concerned person & supervisor	-	-	-	-
PC61. cool down the machine after completion of job	-	-	-	-
<i>Taking out the sample after sanforizing & comparing it with the standard</i>	40	85	-	5
PC62. taking out the sample after sanforizing near the stitch	-	-	-	-
PC63. compare the sample with the standard	-	-	-	-
PC64. take the sample to your supervisor if the sample is not matching to the standard for decision	-	-	-	-
NOS Total	200	410	-	50

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N5416
NOS Name	Carryout shift change, production and quality analyse at sanforising department
Sector	Textile
Sub-Sector	Processing - Textiles
Occupation	Textile Finishing
NSQF Level	2
Credits	TBD
Version	1.0
Last Reviewed Date	NA
Next Review Date	25/11/2024
NSQC Clearance Date	17/11/2022

TSC/N5417: Carryout shift change, production and quality analyse at relax dryer department

Description

This OS unit is about carryout shift change, production and quality analyse at relax dryer department

Scope

The scope covers the following :

- Taking charge of shift from relax dryer operator
- Handing over shift to relax dryer operator
- Carry out preparatory activities for operations of the machine
- Operate the machine for specified tasks as per work order
- Clean the machine and carryout preventive maintenance activities
- Taking out the sample after drying & comparing it with the standard

Elements and Performance Criteria

Taking charge of shift from relax dryer operator

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

- PC1.** come at least 10 - 15 minutes earlier to the work place
- PC2.** bring the necessary operational tools to the department
- PC3.** meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality, production, spare, safety or any other specific instruction etc
- PC4.** understand the fabric being processed & process running on the machine
- PC5.** ensure the technical details are mentioned on the job card display on the machine
- PC6.** check for the availability of the spare trolley for unloading the fabric
- PC7.** check the next batch to be processed is ready near the machine
- PC8.** ensure that the machine & its control functions are working properly
- PC9.** check the cleanliness of the machines & other work areas
- PC10.** 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
- PC11.** take over the shift from the outgoing operator in a proper manner

Handing over shift to relax dryer operator

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

- PC12.** ensure in providing the details regarding fabric quality & the process running on the machine
- PC13.** provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine
- PC14.** ensure the empty trolley is near the machine for unloading the fabric
- PC15.** ensure the next lot to be processed is ready near the machine already stitched & arranged properly

Qualification Pack

- PC16.** ensure that machine control functions are working properly
- PC17.** get clearance from the incoming counterpart before leaving the work spot
- PC18.** report to his/ her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift
- PC19.** ensure the shift is properly handed over to the incoming shift operator
- PC20.** 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
- PC21.** collect the wastes from waste collection bags, weigh them and transport to storage area
- PC22.** ensure the machine and its work place is clean

Carry out preparatory activities for operations of the machine

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

- PC23.** understand the task mentioned in the work order
- PC24.** read & understand the fabric parameters properly
- PC25.** ensure that the machine is clean
- PC26.** clean all filters properly
- PC27.** open steam valve & drain condensate from the line
- PC28.** drain water, from the air line
- PC29.** start blowers to heat the machine
- PC30.** bring the fabric trolley near the machine
- PC31.** join the loose ends properly
- PC32.** keep empty trolley ready in the front for taking fabric

Operate the machine for specified tasks as per work order

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

- PC33.** know the operations of relax dryer machine
- PC34.** understand the process being followed to do the task
- PC35.** the required temp in all chambers
- PC36.** fabric through guide rolls to the overfeeding roller
- PC37.** the fabric evenly and ensure fabric coverage of 95% to 100% in line with belt width
- PC38.** the overfeed values as per the requirement of fabric quality
- PC39.** ensure tensionless feeding of fabric
- PC40.** ensure that all safety devices are operational
- PC41.** out fabric from exit end in the trolley
- PC42.** check the fabric width after drying
- PC43.** check moisture content in the fabric to avoid over drying
- PC44.** adjust machine speed accordingly
- PC45.** adjust overfeed values as specified
- PC46.** keep next trolley ready both at entry & exit
- PC47.** shift production in the production register
- PC48.** all machine stoppages in the book

Clean the machine and carryout preventive maintenance activities

Qualification Pack

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

- PC49.** keep the machine clean at all times
- PC50.** follow the preventive maintenance schedule & ensure the machine is running smoothly
- PC51.** check that all controls are functioning properly
- PC52.** ensure enough supply of utilities such as water, air & steam for proper functioning of machine
- PC53.** cool down the machine after completion of job

Taking out the sample after drying & comparing it with the standard

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

- PC54.** take out the sample near the stitch, after drying
- PC55.** compare the sample with the standard for physical appearance
- PC56.** take the sample to your supervisor if the sample is not matching for the standard for decision

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** standard operating procedures (SOP) and regulations in a processing unit
- KU2.** safe working practices to be adopted in processing unit
- KU3.** quality systems and other processes practiced in the processing unit
- KU4.** reporting to the supervisor or higher authority in case of emergency
- KU5.** color coding adopted for different products in the processing unit
- KU6.** understanding the importance of quality & productivity
- KU7.** understanding various defects in the fabric due to yarn, knitting or processing
- KU8.** reasons for various defects in the fabric due to processing & their remedy
- KU9.** process flow in a processing unit
- KU10.** material flow in a processing unit
- KU11.** importance of material handling and types of material handling equipment being used
- KU12.** importance of cleanliness at workplace
- KU13.** functions and methodology for operating different material handling equipment
- KU14.** guidelines for operating the machine
- KU15.** guidelines for handing over the shift to the next shift Relax Dryer operator
- KU16.** safety procedures to be followed while operating the machine
- KU17.** limits of your own responsibility
- KU18.** the importance of complying with written instructions
- KU19.** importance of discipline & punctuality
- KU20.** importance of take over & handover in achieving quality & productivity
- KU21.** use of blowers or vacuum cleaner to clean machine parts
- KU22.** knowledge about standard shrinkage parameters required for various qualities

Generic Skills (GS)

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

- GS1.** write clear and short sentences
- GS2.** comprehend written instructions
- GS3.** apply problem-solving approaches in different situations
- GS4.** refer anomalies to the supervisor
- GS5.** refer attention to details

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Taking charge of shift from relax dryer operator</i>	9	10	-	11
PC1. come at least 10 - 15 minutes earlier to the work place	-	-	-	-
PC2. bring the necessary operational tools to the department	-	-	-	-
PC3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality, production, spare, safety or any other specific instruction etc	-	-	-	-
PC4. understand the fabric being processed & process running on the machine	-	-	-	-
PC5. ensure the technical details are mentioned on the job card display on the machine	-	-	-	-
PC6. check for the availability of the spare trolley for unloading the fabric	-	-	-	-
PC7. check the next batch to be processed is ready near the machine	-	-	-	-
PC8. ensure that the machine & its control functions are working properly	-	-	-	-
PC9. check the cleanliness of the machines & other work areas	-	-	-	-
PC10. 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	-	-	-	-
PC11. take over the shift from the outgoing operator in a proper manner	-	-	-	-
<i>Handing over shift to relax dryer operator</i>	9	10	-	11
PC12. ensure in providing the details regarding fabric quality & the process running on the machine	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine	-	-	-	-
PC14. ensure the empty trolley is near the machine for unloading the fabric	-	-	-	-
PC15. ensure the next lot to be processed is ready near the machine already stitched & arranged properly	-	-	-	-
PC16. ensure that machine control functions are working properly	-	-	-	-
PC17. get clearance from the incoming counterpart before leaving the work spot	-	-	-	-
PC18. report to his/ her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift	-	-	-	-
PC19. ensure the shift is properly handed over to the incoming shift operator	-	-	-	-
PC20. 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	-	-	-	-
PC21. collect the wastes from waste collection bags, weigh them and transport to storage area	-	-	-	-
PC22. ensure the machine and its work place is clean	-	-	-	-
<i>Carry out preparatory activities for operations of the machine</i>	52	110	-	8
PC23. understand the task mentioned in the work order	-	-	-	-
PC24. read & understand the fabric parameters properly	-	-	-	-
PC25. ensure that the machine is clean	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC26. clean all filters properly	-	-	-	-
PC27. open steam valve & drain condensate from the line	-	-	-	-
PC28. drain water, from the air line	-	-	-	-
PC29. start blowers to heat the machine	-	-	-	-
PC30. bring the fabric trolley near the machine	-	-	-	-
PC31. join the loose ends properly	-	-	-	-
PC32. keep empty trolley ready in the front for taking fabric	-	-	-	-
<i>Operate the machine for specified tasks as per work order</i>	50	110	-	8
PC33. know the operations of relax dryer machine	-	-	-	-
PC34. understand the process being followed to do the task	-	-	-	-
PC35. the required temp in all chambers	-	-	-	-
PC36. fabric through guide rolls to the overfeeding roller	-	-	-	-
PC37. the fabric evenly and ensure fabric coverage of 95% to 100% in line with belt width	-	-	-	-
PC38. the overfeed values as per the requirement of fabric quality	-	-	-	-
PC39. ensure tensionless feeding of fabric	-	-	-	-
PC40. ensure that all safety devices are operational	-	-	-	-
PC41. out fabric from exit end in the trolley	-	-	-	-
PC42. check the fabric width after drying	-	-	-	-
PC43. check moisture content in the fabric to avoid over drying	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC44. adjust machine speed accordingly	-	-	-	-
PC45. adjust overfeed values as specified	-	-	-	-
PC46. keep next trolley ready both at entry & exit	-	-	-	-
PC47. shift production in the production register	-	-	-	-
PC48. all machine stoppages in the book	-	-	-	-
<i>Clean the machine and carryout preventive maintenance activities</i>	40	85	-	7
PC49. keep the machine clean at all times	-	-	-	-
PC50. follow the preventive maintenance schedule & ensure the machine is running smoothly	-	-	-	-
PC51. check that all controls are functioning properly	-	-	-	-
PC52. ensure enough supply of utilities such as water, air & steam for proper functioning of machine	-	-	-	-
PC53. cool down the machine after completion of job	-	-	-	-
<i>Taking out the sample after drying & comparing it with the standard</i>	40	85	-	5
PC54. take out the sample near the stitch, after drying	-	-	-	-
PC55. compare the sample with the standard for physical appearance	-	-	-	-
PC56. take the sample to your supervisor if the sample is not matching for the standard for decision	-	-	-	-
NOS Total	200	410	-	50

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N5417
NOS Name	Carryout shift change, production and quality analyse at relax dryer department
Sector	Textile
Sub-Sector	Processing - Textiles
Occupation	Textile Finishing
NSQF Level	2
Credits	TBD
Version	1.0
Last Reviewed Date	NA
Next Review Date	25/11/2024
NSQC Clearance Date	17/11/2022

Qualification Pack

TSC/N5418: Carryout shift change, production and quality analyse at compacting department

Description

This OS unit is about carryout shift change, production and quality analyse at compacting department by following the standard work place method

Scope

The scope covers the following :

- Taking charge of shift from compacting machine operator
- Handing over shift to compacting machine operator
- Carry out preparatory activities for operations of the machine
- Operate the machine for specified task as per work order
- Clean the machine & carryout preventive maintenance
- Taking out the sample after compacting & comparing it with the standard

Elements and Performance Criteria

Taking charge of shift from compacting machine operator

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

- PC1.** come atleast 10 - 15 minutes earlier to the work place superior as well that of the previous shift as well
- PC2.** bring the necessary operational tools to the department
- PC3.** meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality or production or spare or safety or any other specific instruction etc
- PC4.** understand the fabric being processed & process running on the machine
- PC5.** ensure the technical details are mentioned on the job card display on the machine
- PC6.** check for the availability of the spare trolley for unloading the fabric
- PC7.** check the next batch to be processed is ready near the machine
- PC8.** ensure the required dyes & chemicals are already weighed & prepared
- PC9.** check the cleanliness of the machines & other work areas
- PC10.** question the previous shift operator for any deviation in the above and bring the same to the knowledge of his/ her shift superior as well as that of the previous shift

Handing over shift to compacting machine operator

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

- PC11.** hand over the shift to the incoming operator in a proper manner
- PC12.** ensure in providing the details regarding fabric quality & the process running on the machine
- PC13.** provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine
- PC14.** ensure the empty trolley is near the machine for unloading the fabric

Qualification Pack

- PC15.** ensure the next lot to be processed is ready near the machine already stitched & arranged properly
- PC16.** weigh the required dyes & chemicals for the next lot get clearance from the incoming counterpart before leaving the work spot
- PC17.** report to his/ her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift
- PC18.** ensure the shift has to be properly handed over to the incoming shift operator
- PC19.** 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
- PC20.** collect the wastes from waste collection bags, weigh them and transport to storage area
- PC21.** ensure the machine and its work place is clean

Carry out preparatory activities for operations of the machine

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

- PC22.** understand the task mentioned in the Work Order
- PC23.** ensure that the machine is clean
- PC24.** feed the fabric from the trolley in the center of the machine
- PC25.** ensure fabric is crease-less and evenly fed into the machine
- PC26.** join & stitch any loose end for continuous operation of machine
- PC27.** open steam valve & drain the condensate from the line
- PC28.** drain any water present in the air line
- PC29.** check the width of fabric & adjust the machine width accordingly
- PC30.** keep empty roll or trolley at the exit end ready

Operate the machine for specified task as per work order

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

- PC31.** operate the compacting machine
- PC32.** read & understand the process being followed to do the task
- PC33.** keep even tension on fabric through out the process
- PC34.** set the required width of machine
- PC35.** set the required temp of Compacting cylinder
- PC36.** open steam in the conditioning chamber
- PC37.** ensure that all safety devices are operational
- PC38.** start the machine & take out fabric either on roll or trolley
- PC39.** check the fabric width & adjust machine width accordingly
- PC40.** ensure the teflon shoe insertion is according to the fabric while fabric enters the shrinking felt
- PC41.** adjust the machine speed according to required finish
- PC42.** check fabric feel & GSM and adjust overfeed accordingly
- PC43.** Adjust felt compression to achieve desired feel/ finish of fabric
- PC44.** ensure that all safety devices are operational
- PC45.** keep next trolley or roll ready both at entry & exit end

Qualification Pack

PC46. record shift production in the production register

PC47. record all machine stoppages in the book

Clean the machine & carryout preventive maintenance

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

PC48. keep the machine clean at all times

PC49. follow the preventive maintenance schedule

PC50. check that all controls are functioning properly

PC51. ensure enough supply of utilities such as water, air & steam in the machine

PC52. ensure there is no leakage in steam, water & air line

PC53. oil the machine parts as specified in the operation manual

PC54. stop the machine in case of any abnormal sound & report

PC55. cool down the machine after completion of job

Taking out the sample after compacting & comparing it with the standard

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

PC56. take out the sample after compacting near the stitch

PC57. compare the sample with the standard for physical appearance

PC58. cut a sample & check the fabric gsm

PC59. take the sample to your supervisor if the sample is not matching to the standard for decision

PC60. adjust machine speed, temp, overfeed or machine width to get the required GSM or fabric feel

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. standard operating procedures (SOP) and regulations in a processing unit

KU2. safe working practices to be adopted in processing unit

KU3. quality systems and other processes practiced in the processing unit

KU4. report to the supervisor or higher authority in case of emergency

KU5. color coding adopted for different products in the processing unit

KU6. understand various defects in the fabric due to yarn, weaving or processing

KU7. reasons for various defects in the fabric due to processing & their remedy

KU8. process flow in a processing unit

KU9. material flow in a processing unit

KU10. functions of various controls of the machine

KU11. importance of material handling and types of material handling equipment being used

KU12. importance of cleanliness at workplace

KU13. safety procedures to be followed while operating the machine

KU14. personal hygiene and duty of care

KU15. safe working practices and organisational standard operating procedures

KU16. limits of your own responsibility

Qualification Pack

- KU17.** the importance of effective communication with supervisors
- KU18.** the lines of communication, authority and reporting procedures
- KU19.** the organisation rules, codes and guidelines (including timekeeping)
- KU20.** the company quality standards
- KU21.** the importance of complying with written instructions
- KU22.** importance of discipline & punctuality
- KU23.** importance of take over & handover in achieving quality & productivity
- KU24.** any abnormal sound/ noise should be reported to the concerned/ supervisor

Generic Skills (GS)

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

- GS1.** write clear and short sentences
- GS2.** read and comprehend written instructions
- GS3.** refer anomalies to the supervisor
- GS4.** apply good attention to detail

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Taking charge of shift from compacting machine operator</i>	9	10	-	11
PC1. come atleast 10 - 15 minutes earlier to the work place superior as well that of the previous shift as well	-	-	-	-
PC2. bring the necessary operational tools to the department	-	-	-	-
PC3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality or production or spare or safety or any other specific instruction etc	-	-	-	-
PC4. understand the fabric being processed & process running on the machine	-	-	-	-
PC5. ensure the technical details are mentioned on the job card display on the machine	-	-	-	-
PC6. check for the availability of the spare trolley for unloading the fabric	-	-	-	-
PC7. check the next batch to be processed is ready near the machine	-	-	-	-
PC8. ensure the required dyes & chemicals are already weighed & prepared	-	-	-	-
PC9. check the cleanliness of the machines & other work areas	-	-	-	-
PC10. question the previous shift operator for any deviation in the above and bring the same to the knowledge of his/ her shift superior as well as that of the previous shift	-	-	-	-
<i>Handing over shift to compacting machine operator</i>	9	10	-	11
PC11. hand over the shift to the incoming operator in a proper manner	-	-	-	-
PC12. ensure in providing the details regarding fabric quality & the process running on the machine	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine	-	-	-	-
PC14. ensure the empty trolley is near the machine for unloading the fabric	-	-	-	-
PC15. ensure the next lot to be processed is ready near the machine already stitched & arranged properly	-	-	-	-
PC16. weigh the required dyes & chemicals for the next lot get clearance from the incoming counterpart before leaving the work spot	-	-	-	-
PC17. report to his/ her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift	-	-	-	-
PC18. ensure the shift has to be properly handed over to the incoming shift operator	-	-	-	-
PC19. 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	-	-	-	-
PC20. collect the wastes from waste collection bags, weigh them and transport to storage area	-	-	-	-
PC21. ensure the machine and its work place is clean	-	-	-	-
<i>Carry out preparatory activities for operations of the machine</i>	52	110	-	8
PC22. understand the task mentioned in the Work Order	-	-	-	-
PC23. ensure that the machine is clean	-	-	-	-
PC24. feed the fabric from the trolley in the center of the machine	-	-	-	-
PC25. ensure fabric is crease-less and evenly fed into the machine	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC26. join & stitch any loose end for continuous operation of machine	-	-	-	-
PC27. open steam valve & drain the condensate from the line	-	-	-	-
PC28. drain any water present in the air line	-	-	-	-
PC29. check the width of fabric & adjust the machine width accordingly	-	-	-	-
PC30. keep empty roll or trolley at the exit end ready	-	-	-	-
<i>Operate the machine for specified task as per work order</i>	50	110	-	8
PC31. operate the compacting machine	-	-	-	-
PC32. read & understand the process being followed to do the task	-	-	-	-
PC33. keep even tension on fabric through out the process	-	-	-	-
PC34. set the required width of machine	-	-	-	-
PC35. set the required temp of Compacting cylinder	-	-	-	-
PC36. open steam in the conditioning chamber	-	-	-	-
PC37. ensure that all safety devices are operational	-	-	-	-
PC38. start the machine & take out fabric either on roll or trolley	-	-	-	-
PC39. check the fabric width & adjust machine width accordingly	-	-	-	-
PC40. ensure the teflon shoe insertion is according to the fabric while fabric enters the shrinking felt	-	-	-	-
PC41. adjust the machine speed according to required finish	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC42. check fabric feel & GSM and adjust overfeed accordingly	-	-	-	-
PC43. Adjust felt compression to achieve desired feel/ finish of fabric	-	-	-	-
PC44. ensure that all safety devices are operational	-	-	-	-
PC45. keep next trolley or roll ready both at entry & exit end	-	-	-	-
PC46. record shift production in the production register	-	-	-	-
PC47. record all machine stoppages in the book	-	-	-	-
<i>Clean the machine & carryout preventive maintenance</i>	40	85	-	7
PC48. keep the machine clean at all times	-	-	-	-
PC49. follow the preventive maintenance schedule	-	-	-	-
PC50. check that all controls are functioning properly	-	-	-	-
PC51. ensure enough supply of utilities such as water, air & steam in the machine	-	-	-	-
PC52. ensure there is no leakage in steam, water & air line	-	-	-	-
PC53. oil the machine parts as specified in the operation manual	-	-	-	-
PC54. stop the machine in case of any abnormal sound & report	-	-	-	-
PC55. cool down the machine after completion of job	-	-	-	-
<i>Taking out the sample after compacting & comparing it with the standard</i>	40	85	-	5
PC56. take out the sample after compacting near the stitch	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC57. compare the sample with the standard for physical appearance	-	-	-	-
PC58. cut a sample & check the fabric gsm	-	-	-	-
PC59. take the sample to your supervisor if the sample is not matching to the standard for decision	-	-	-	-
PC60. adjust machine speed, temp, overfeed or machine width to get the required GSM or fabric feel	-	-	-	-
NOS Total	200	410	-	50

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N5418
NOS Name	Carryout shift change, production and quality analyse at compacting department
Sector	Textile
Sub-Sector	Processing - Textiles
Occupation	Textile Finishing
NSQF Level	2
Credits	TBD
Version	1.0
Last Reviewed Date	NA
Next Review Date	25/11/2024
NSQC Clearance Date	17/11/2022

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

(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/N9015.Follow machine, safety, and organizational guidelines in textile sector	65	80	-	50	195	20
TSC/N9016.Follow teamwork, adaptability, and communication guidelines in textile sector	15	20	-	10	45	5
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	0	0	50	5
Total	100	130	0	60	290	30

Elective: 1 Stenter

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N5415.Carryout shift change, production and preparation of chemicals at stenter machine department	200	410	-	50	660	70
Total	200	410	-	50	660	70

Elective: 2 Sanforiser

Qualification Pack

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N5416. Carryout shift change, production and quality analyse at sanforising department	200	410	-	50	660	70
Total	200	410	-	50	660	70

Elective: 3 Relax Dryer

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N5417. Carryout shift change, production and quality analyse at relax dryer department	200	410	-	50	660	70
Total	200	410	-	50	660	70

Elective: 4 Compactor

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N5418. Carryout shift change, production and quality analyse at compacting department	200	410	-	50	660	70
Total	200	410	-	50	660	70

Acronyms

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

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.