

QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR TEXTILE SECTOR

What are Occupational Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

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Introduction

Qualifications Pack – Continuous Bleaching Range Operator

SECTOR: TEXTILE

SUB-SECTOR: PROCESSING

OCCUPATION: PRE-TREATMENT

REFERENCE ID: TSC/ Q5102

ALIGNED TO: NCO-2004 / 8264.50

Brief Job Description: A Continuous Range (CBR) Operator is responsible to do the specified job of Scouring, Bleaching & Drying of grey fabric with proper control of parameters to get the desired effect. . 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 Continuous Bleaching Range machine.

Personal Attributes: A Continuous Bleaching Range Operator should have good eyesight, motor skills and vision. He/she should also have good interpersonal skills.

Job Details	Qualifications Pack Code	TSC/Q5102		
	Job Role	Continuous Bleaching Range Operator		
	Credits (NSQF)	TBD	Version number	1.0
	Sector	Textile	Drafted on	15/12/15
	Sub-sector	Processing	Last reviewed on	25/02/15
	Occupation	Pre-Treatment	Next review date	01/03/16
Job Role	Continuous Bleaching Range Operator			
Role Description	To carry out the process of Scouring, Bleaching & Drying of fabric using a Continuous Bleaching Range Machine, as specified under Job Order			
NSQF level	4			
Minimum Educational Qualifications	10 th standard, preferably ITI Certificate			
Maximum Educational Qualifications	N/A			
Training (Suggested but not mandatory)	Three to six months of training in textile processing.			
Experience	Preferably 1-2 years			
National Occupational Standards (NOS)	<p>Compulsory:</p> <ol style="list-style-type: none"> TSC/N5104 Taking charge of shift and handing over shift to operator TSC/N5105 Operating the Continuous Bleaching Range Machine TSC/N5106 Checking the quality of Bleached fabric TSC/ N9001 Maintain work area, tools and machines TSC/ N9002 Working in a team TSC/ N9003 Maintain health, safety and security at workplace TSC/ N9004 Comply with industry and organizational requirement <p>Optional:</p>			
Performance Criteria	As described in the relevant OS units			

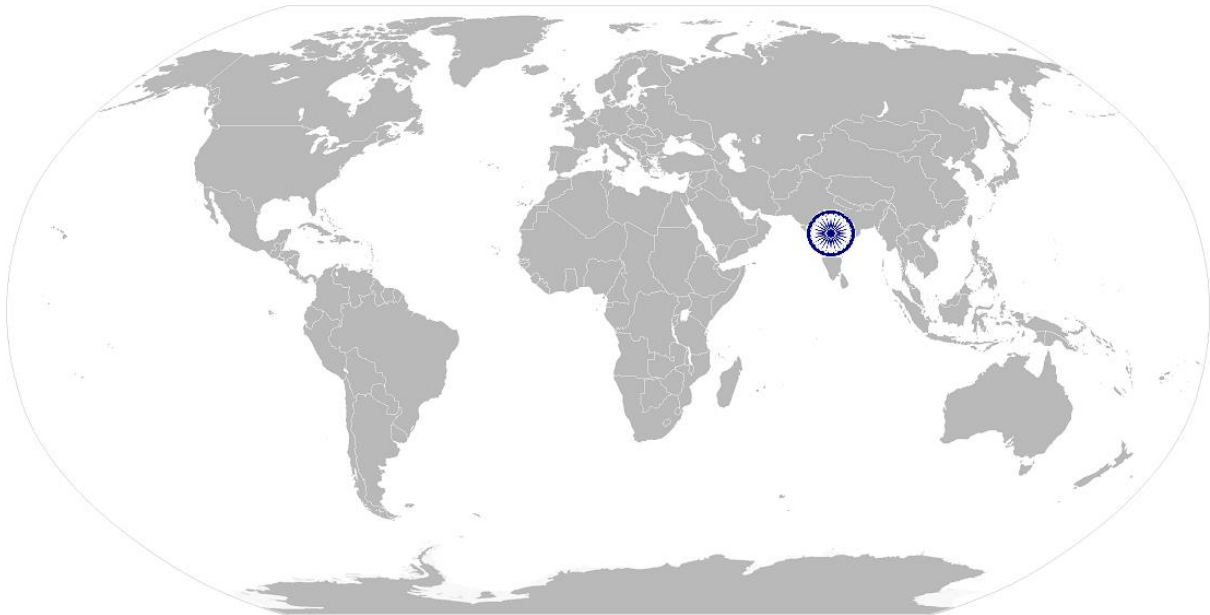
Table 1: Glossary of Key Terms

Definitions	Keywords /Terms	Description
	Sector	Sector is a conglomeration of different business operations having similar businesses 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.
	Vertical	Vertical may exist within a sub-sector representing different domain areas or the client industries served by the industry.
	Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry.
	Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.
	Sub-functions	Sub-functions are sub-activities essential to fulfill the achieving the objectives of the function.
	Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
	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 they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
	Performance Criteria	Performance Criteria 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 Code	Qualifications Pack Code is a unique reference code that identifies a qualifications pack.
	Qualifications Pack(QP)	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.
	Unit Code	Unit Code is a unique identifier for an OS unit, which can be denoted with either an 'O' or 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 the 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 the quality of performance required.
Knowledge and Understanding	Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.
Organizational Context	Organizational Context includes the way the organization 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	Core Skills or Generic Skills are a group of skills that are key to learning and working 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.
Keywords /Terms	Description
SSC	Sector Skill Council
OS	Occupational Standard(s)
NOS	National Occupational Standard(s)
QP	Qualifications Pack
NSQF	National Skill Qualifications Framework
NCO	National Classifications of Occupation
TBD	To Be Determined
TSC	Textile Sector Skill Council
NSDC	National Skill Development Corporation

Acronyms

National Occupational Standard



Overview

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

TSC/ N5104

Taking charge of shift and handing over shift to operator

Unit Code	TSC/ N5104
Unit Title (Task)	Taking charge of shift and handing over shift to operator
Description	This unit is about taking charge of shift from previous shift operator and relieving the responsibilities to the next shift operator
Scope	This unit/task covers the following: <ul style="list-style-type: none"> ▪ taking charge of shift ▪ handing over the shift
Elements	Performance Criteria
Taking charge of shift	<p>To be competent, you must be able to:</p> <p>PC1. come at least 10 - 15 minutes earlier to the work spot</p> <p>PC2. bring the necessary operational tools to the department</p> <p>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.</p> <p>PC4. understand the count produced, colour coding, followed in the autoconer for his allocated number of drums or machines</p> <p>PC5. ensure the technical details are mentioned in the display board in the autoconer</p> <p>PC6. check for the availability of the ring cops in cheese trolleys</p> <p>PC7. ensure all the winding units are running properly, winding units which are not running and problems if any should be clarified with the supervisor and operator</p> <p>PC8. ensure all the cone drums are running properly, if not should be enquired for the reason for idle cone drumse and report to the superiors regarding the same</p> <p>PC9. ensure proper functioning of autoconer machine parts</p> <p>PC10. check the cleanliness of the machines & other work areas</p> <p>PC11. check whether any spare/raw material/ tool / yarn / any other material are thrown under the machines or in the other work areas.</p> <p>PC12. 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 that of the previous shift as well.</p> <p>PC13. ensure the wastes collection boxes are empty while taking charge of shift</p> <p>PC14. ensure the work spot is clean</p> <p>PC15. ensure the ohtc is working properly</p>
Handing over shift	<p>PC16. hand over the shift to the incoming shift operator in a proper manner</p> <p>PC17. ensure in providing the details regarding count produced, colour coding followed in the autoconer for his allocated number of cone drums or machines</p> <p>PC18. provide all relevant information regarding the count produced, idle cone drums, damaged machine parts if any</p> <p>PC19. get clearance from the incoming counterpart before leaving the work spot</p> <p>PC20. 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</p>

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Taking charge of shift and handing over shift to operator

	<p>PC21. ensure the shift has to be properly handed over to the incoming shift operator</p> <p>PC22. 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</p> <p>PC23. collect the wastes from waste collection bags, weigh them and transport to storage area</p> <p>PC24. ensure the work spot is clean</p>
Knowledge and Understanding (K)	
<p>A. Organizational Context (Knowledge of the company/ organization and its processes)</p>	<p>You need to know and understand:</p> <p>KA1. standard operating procedures (SOP) and regulations in a processing unit</p> <p>KA2. safe working practices to be adopted in processing unit</p> <p>KA3. quality systems and other processes practiced in the processing unit</p> <p>KA4. reporting to the supervisor or higher authority in case of emergency</p> <p>KA5. color coding adopted for different counts in the processing unit</p>
<p>B. Technical Knowledge</p>	<p>You need to know and understand:</p> <p>KB1. understanding the importance of</p> <ul style="list-style-type: none"> • types of fibres • types of yarn • yarn count • types of yarn defects <p>KB2. process flow in a processing unit</p> <p>KB3. material flow in a processing unit</p> <p>KB4. importance of autoconer and cone package formation</p> <p>KB5. functions of different parts of autoconer</p> <p>KB6. importance of colour coding followed for different counts</p> <p>KB7. guidelines for operating the autoconer machine</p> <p>KB8. the functions of different signal lamps</p> <p>KB9. guidelines for taking charge of shift from previous shift operator</p> <p>KB10. guidelines for handing over the shift to the next shift operator</p> <p>KB11. importance of material handling and types of material handling equipments used equipments</p> <p>KB12. functions and methodology for operating different material handling tools</p> <p>KB13. knowledge of waste collection system & equipments used</p> <p>KB14. importance of cleanliness at workplace</p> <p>KB15. safety procedures to be followed in an autoconer machine</p>
Skills (S)	
<p>A. Core Skills/ Generic Skills</p>	Writing Skills
	<p>You need to know and understand how to:</p> <p>SA1. write clear and short sentences</p>
	Reading Skills
	<p>You need to know and understand how to:</p> <p>SA2. comprehend written instructions</p>
	Oral Communication (Listening and Speaking skills)
<p>You need to know and understand how to:</p>	

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Taking charge of shift and handing over shift to operator

	SA3. communicate with supervisor appropriately SA4. talk to others to convey information effectively
B. Professional Skills	Problem Solving
	You need to know and understand how to: SB1. apply problem-solving approaches in different situations SB2. refer anomalies to the supervisor SB3. seek clarification on problems from others
	Attention to Detail
	You need to know and understand how to: SB4. apply good attention to detail SB5. check your work is complete and free from errors
C. Technical Skills	You need to know and understand how to: SC1. Procedure to patrol around the autoconer SC2. Procedure to operate the different mechanisms in autoconer machine SC3. Procedure for patrolling around the autoconer department and identifying worn out or damaged machine parts SC4. Procedure to check the quality of ring cops, cone package, , proper functioning of machine parts in autoconer SC5. Procedure for operating different material handling tools and equipments SC6. Maintain neatness at work

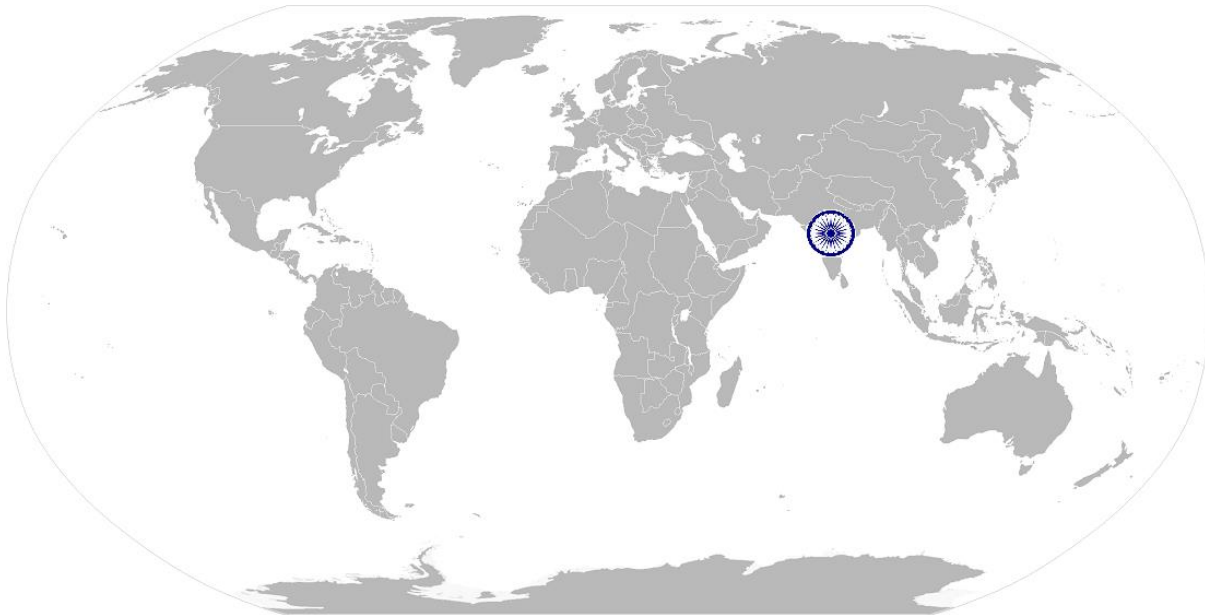


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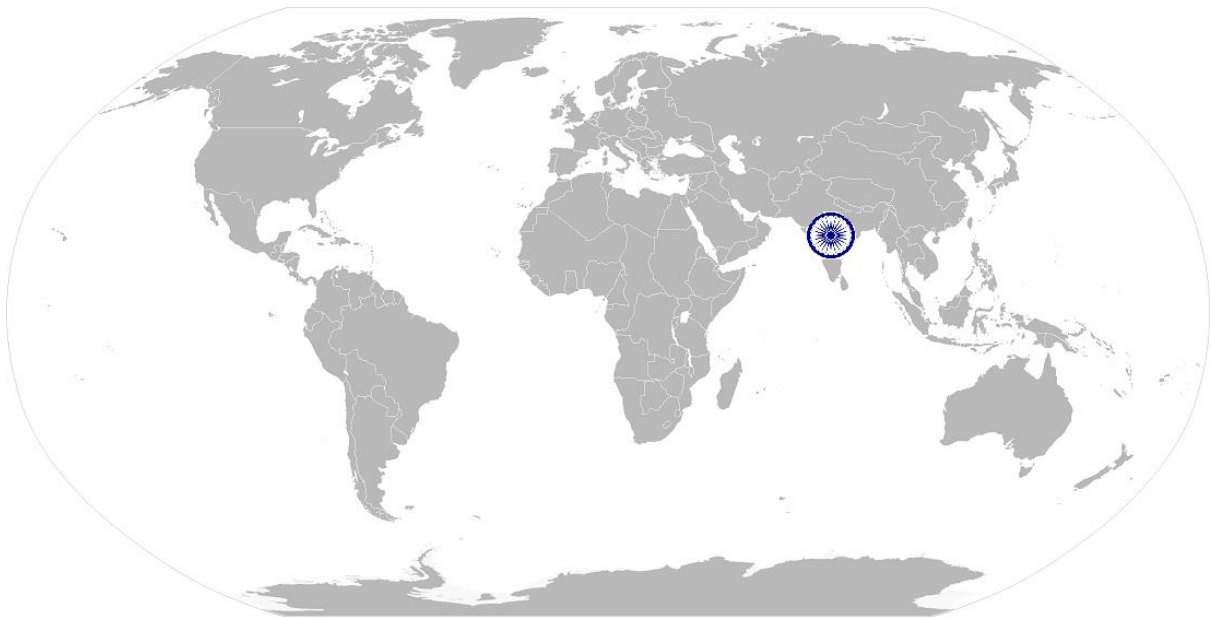
Taking charge of shift and handing over shift to operator

NOS Version Control

NOS Code	TSC/ N5104		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/15
Industry Sub-sector	Processing	Last reviewed on	25/02/15
Occupation	Pre-Treatment	Next review date	01/03/16



National Occupational Standard



Overview

This unit is about operating the Continuous Bleaching Range Machine

TSC/ N5105

Operating the Continuous Bleaching Range Machine

National Occupational Standard	Unit Code	TSC/N5105
	Unit Title	Operating the Continuous Bleaching Range Machine
	Description	This unit is about operating the Continuous Bleaching Range Machine
	Scope	<p>This unit covers the following:</p> <ul style="list-style-type: none"> • Take over & hand over activity • Carry out preparatory activities for operations of the machine • Operating the machine for specified task as per work order • Clean the machine on a regular basis & carryout preventive maintenance
	Performance Criteria (PC) w.r.t. the Scope	
	Element	Performance Criteria
	Takeover and Handover activity	<p>To be competent, you must be able to:</p> <p>PC1. report to his work place well before time to meet the previous shift operator</p> <p>PC2. discuss with him the process running on the machine</p> <p>PC3. check if the machine is running smoothly & has any breakdown in previous shift</p> <p>PC4. check for any quality issues in the fabric running on the machine</p>
	Carry out preparatory activities for operations of the machine	<p>PC5. understand the task mentioned in the work order</p> <p>PC6. ensure that the machine is clean</p> <p>PC7. clean the impregnator rolls & trough</p> <p>PC8. clean the suction slit properly</p> <p>PC9. clean all guide rolls in the reaction chambers & washing units</p> <p>PC10. ensure all guide rolls are free moving</p> <p>PC11. feed the fabric from the batch in the center of the machine</p> <p>PC12. ensure that all controls are working properly</p> <p>PC13. ensure fabric is crease-less and evenly fed onto the machine</p> <p>PC14. open steam valve & drain any condensate from the line</p>
	Operating the machine for specified tasks as per Work Order	<p>PC15. know the operations of the machine</p> <p>PC16. read & understand the process being followed to do the task</p> <p>PC17. keep even tension on fabric throughout the process</p> <p>PC18. keep optimum pressure of the squeezer rolls to get good results</p> <p>PC19. set the required temp in all chambers</p> <p>PC20. open the steam valves & drain the condensate in all compartments</p> <p>PC21. dispense the chemicals in the mixing tank</p> <p>PC22. mix the chemicals properly & feed into the impregnator</p> <p>PC23. start the machine & take out fabric either on batch</p> <p>PC24. set the impregnator roller pressure to the optimum</p> <p>PC25. ensure the wiper roller are functioning properly</p> <p>PC26. ensure proper functioning of dosing pump & spraying of chemicals</p> <p>PC27. check that all control functions are working properly</p> <p>PC28. check ph & temp & other parameters in all compartments</p> <p>PC29. remove the air from the steamer</p> <p>PC30. set the machine speed & dwell time according to the fabric quality</p> <p>PC31. set the temp in all washing chambers</p>

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Operating the Continuous Bleaching Range Machine

	<p>PC32. ensuring proper functioning of flow meter & level controller PC33. set the drying temp of all drying cylinders PC34. ensure proper fabric batching tension for even & creaseless fabric winding</p>
<p>Clean the machine on a regular basis and carryout preventive maintenance activities</p>	<p>PC35. keep the machine clean at all times PC36. follow the preventive maintenance schedule & ensure the machine is running smoothly PC37. check that all controls are functioning properly PC38. ensure enough supply of utilities such as water, air & steam for proper functioning of machine PC39. stop the machine in case of any abnormal sound PC40. check for any leakages of water, steam or air PC41. Check steam, water and air pressure</p>
<p>Knowledge and understanding (k)</p>	
<p>A. Organizational Context (Knowledge of the company/ organization and its processes)</p>	<p>You need to know and understand: KA1. personal hygiene and duty of care KA2. safe working practices and organisational procedures KA3. limits of your own responsibility KA4. ways of resolving with problems within the work area KA5. the production process and the specific work activities that relate to the whole process KA6. the importance of effective communication with supervisors KA7. the lines of communication, authority and reporting procedures KA8. the organisation's rules, codes and guidelines (including timekeeping) KA9. the company's quality standards KA10. the importance of complying with written instructions KA11. equipment operating procedures / supervisor's instructions</p>
<p>B. Technical Knowledge</p>	<p>you need to know and understand: KB1. importance of discipline & punctuality KB2. importance of take over & handover in achieving quality & productivity KB3. any abnormal sound/ noise should be reported to the concerned/ supervisor KB4. report to the supervisor if there is any major defect in fabric KB5. type of fiber, yarn and fabric- piece dyed or for printing KB6. avoid any unnecessary tension on fabric KB7. ensure continuous feeding of fabric using scray/ j- box KB8. knowledge about various controls of machine KB9. avoiding unnecessary tension on the fabric KB10. knowledge of operation of various valves, traps KB11. knowledge of various chemicals for scouring & bleaching KB12. use of batching devices for fabric roll up KB13. checking of spraying of chemicals KB14. knowledge of process parameters for bleaching KB15. setting of various controller in machine KB16. use of batching devices KB17. spare the machine when it's due for maintenance to avoid breakdown of machine while working</p>

TSC/ N5105

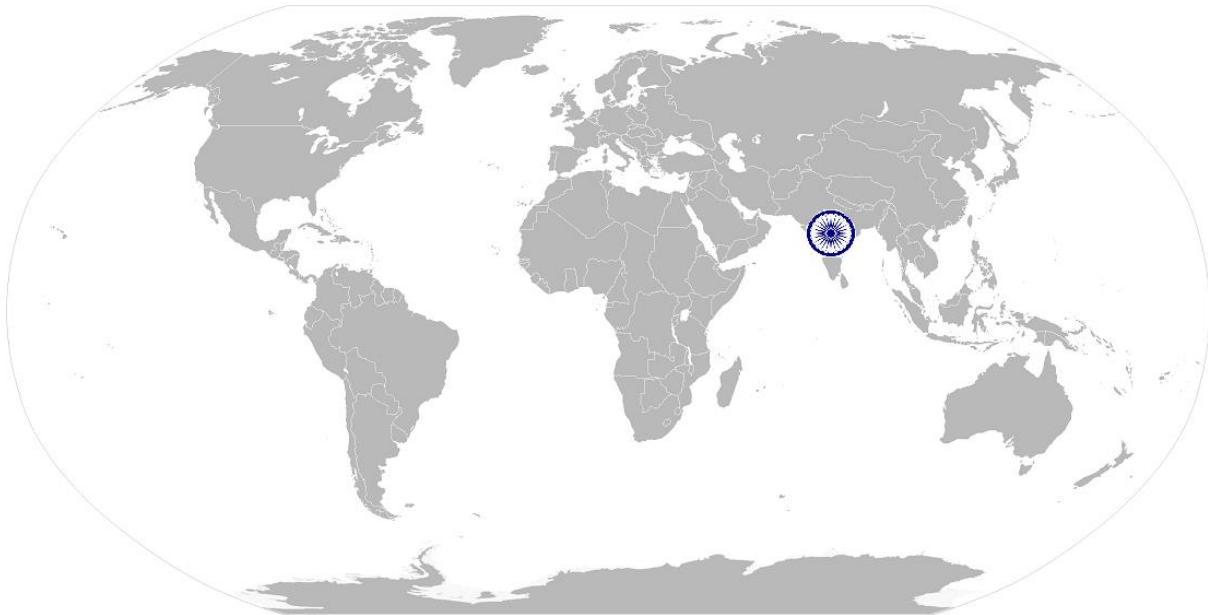
Operating the Continuous Bleaching Range Machine

	KB18. controls functions of the machine KB19. continuous supply of good quality air, steam & water for maximum output KB20. report the problem in the machine immediately to the concerned person KB21. arrest the leakages water, steam or air in the line
skills (s)	
A. Core Skills/ Generic Skills	Reading skills You need to know and understand how to: SA1. comprehend written instructions SA2. read any application sent by other colleagues
	Oral communication (listening and speaking skills) You need to know and understand how to: SA3. communicate in local language orally SA4. communicate with supervisor appropriately SA5. talk to others to convey information effectively
	B. Professional Skills
B. Professional Skills	Problem solving you need to know and understand how to: SB1. identify the real reason of problem faced SB2. apply problem-solving approaches in different situations SB3. refer anomalies to the supervisor SB4. seek clarification on problems from others
	Attention to detail You need to know and understand how to: SB5. apply good attention to detail SB6. check your work is complete and free from errors SB7. make sure every kind of communication is error free
	C. Technical Skills
C. Technical Skills	You need to know and understand : SC1. knowledge about various functions of cbr machine SC2. know the various faults due to yarn or weaving in the fabric SC3. quality/ sort no. SC4. width of fabric SC5. length & weight of the batch SC6. use the correct tools for cleaning the machine SC7. use of edge guide sensors or centering device for even & straight feeding of fabric to the machine SC8. operation of various machine controls SC9. proper use of guide rolls & control sensors SC10. operation of various valve & traps SC11. basic operation of cbr machine SC12. knowledge of plc control of machine SC13. various operations carried out on cbr machine SC14. proper use of tensioning devices to get even width of the fabric SC15. knowledge about required optimum mangle pressure for efficient bleaching results SC16. basic knowledge about washing temp of various products SC17. drain the condensate first from steam line before opening the steam valve

TSC/ N5105

Operating the Continuous Bleaching Range Machine

	<p>SC18. automatic or manual dosing of various chemicals</p> <p>SC19. basic knowledge of bleaching recipe for various products</p> <p>SC20. operations of various machine controls</p> <p>SC21. functions of level sensor, tension controller</p> <p>SC22. monitoring of various control parameters for efficient washing results</p> <p>SC23. operation of air vent valves</p> <p>SC24. knowledge about reaction time for various fabric qualities</p> <p>SC25. knowledge of various controls such as speed & fabric tension, level & pressure controller in steamer, liquid/ water flow meter</p> <p>SC26. knowledge of setting of drying temp</p> <p>SC27. use of proper cleaning tools such as blowers or vacuum cleaners</p> <p>SC28. drain out condensate or water from steam & air supply line before starting the machine</p>
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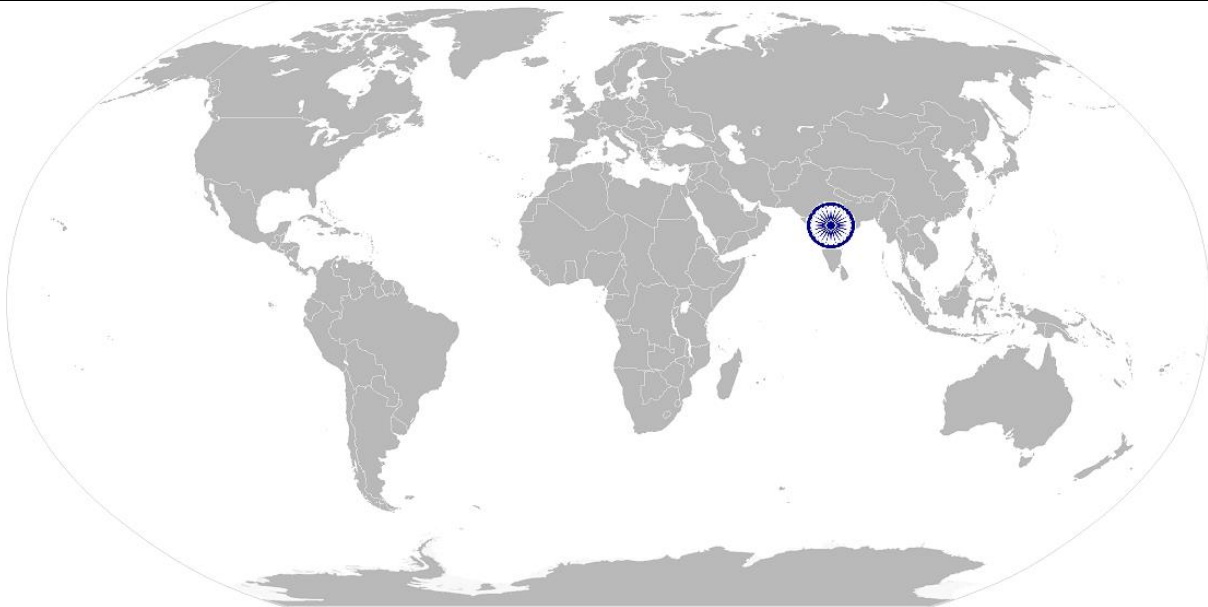


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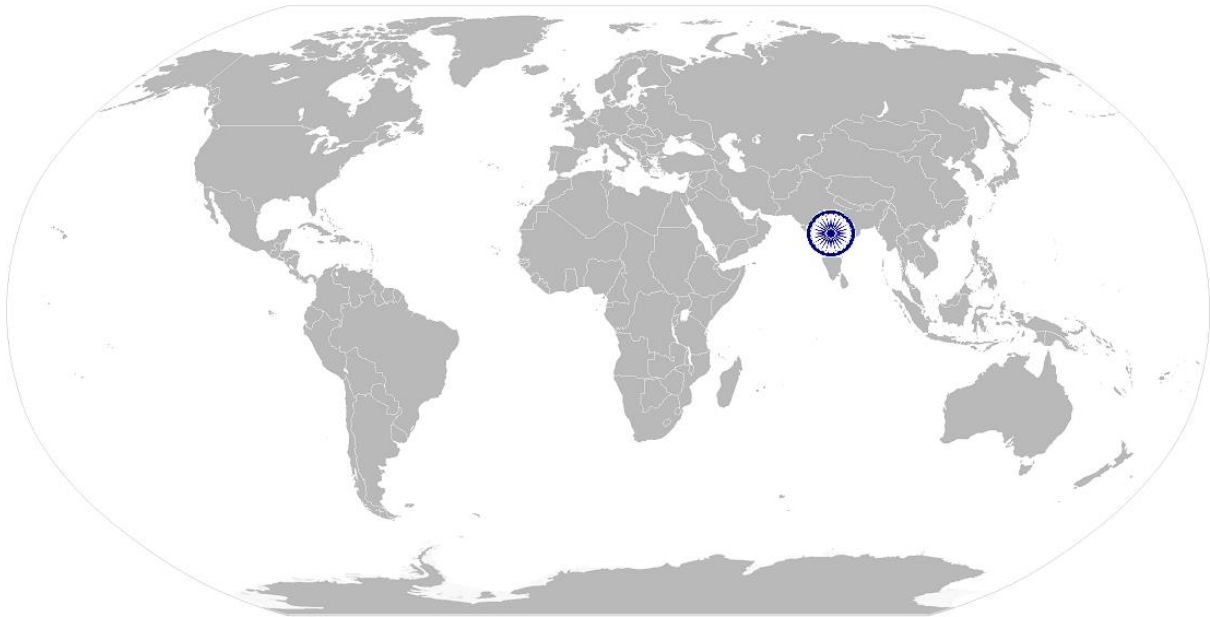
Operating the Continuous Bleaching Range Machine

NOS Version Control

NOS Code	TSC/ N5105		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/15
Industry Sub-sector	Processing	Last reviewed on	25/02/15
Occupation	Pre-Treatment	Next review date	01/03/16



National Occupational Standard



Overview

This unit is about checking the quality of Bleached fabric & comparing with the standard

TSC/ N5106

Checking the quality of Bleached Fabric

National Occupational Standard	Unit Code	TSC/N5106
	Unit Title	Checking the quality of Bleached Fabric
	Description	This unit is about checking the quality of Bleached fabric & comparing with the standard
	Scope	<p>This unit covers the following:</p> <ul style="list-style-type: none"> Taking out the sample after Bleaching & comparing it with the standard sample
	Performance Criteria (PC) w.r.t. the Scope	
	Element	Performance Criteria
	Taking out the sample after Bleaching & comparing it with the standard	<p>To be competent, you must be able to:</p> <p>PC1. taking out the sample after bleaching</p> <p>PC2. compare the sample with the standard</p> <p>PC3. check the sample for absorbency</p> <p>PC4. check the sample for whiteness index</p> <p>PC5. take the sample to your supervisor if the sample is not matching to the standard for decision</p>
	Knowledge and Understanding (K)	
	A. Organizational Context (Knowledge of the company/ organization and its processes)	<p>You need to know and understand:</p> <p>KA1. personal hygiene and duty of care</p> <p>KA2. safe working practices and organisational procedures</p> <p>KA3. limits of your own responsibility</p> <p>KA4. ways of resolving with problems within the work area</p> <p>KA5. the production process and the specific work activities that relate to the whole process</p> <p>KA6. the importance of effective communication with supervisors</p> <p>KA7. the lines of communication, authority and reporting procedures</p> <p>KA8. the organisation's rules, codes and guidelines (including timekeeping)</p> <p>KA9. the company's quality standards</p> <p>KA10. the importance of complying with written instructions</p> <p>KA11. equipment operating procedures / supervisor's instructions</p>
	B. Technical Knowledge	<p>You need to know and understand:</p> <p>KB1. cutting the required size of sample to avoid wastage</p> <p>KB2. should have good eye sight & analytical skills</p> <p>KB3. skill to check fabric absorbency</p> <p>KB4. skill to compare fabric whiteness</p> <p>KB5. take corrective action immediately to avoid waste of time & production loss</p>
Skills (S)		
A. Core Skills/ Generic Skills	Reading Skills	<p>You need to know and understand how to:</p> <p>SA1. comprehend written instructions</p> <p>SA2. read any application sent by other colleagues</p>
	Oral Communication (Listening and Speaking skills)	<p>You need to know and understand how to:</p>

TSC/ N5106

Checking the quality of Bleached Fabric

	<p>SA3. Communicate in local language orally</p> <p>SA4. Communicate with supervisor appropriately</p> <p>SA5. Talk to others to convey information effectively</p>
B. Professional Skills	<p>Problem Solving</p> <p>You need to know and understand how to:</p> <p>SB1. identify the real reason of problem faced</p> <p>SB2. apply problem-solving approaches in different situations</p> <p>SB3. refer anomalies to the supervisor</p> <p>SB4. seek clarification on problems from others</p>
	<p>Attention to Detail</p> <p>You need to know and understand how to:</p> <p>SB5. apply good attention to detail</p> <p>SB6. check your work is complete and free from errors</p> <p>SB7. make sure every kind of communication is error free</p>
	<p>C. Technical Skills</p> <p>You need to know and understand:</p> <p>SC1. good matching skills & knowledge about the fabric</p> <p>SC2. knowledge of absorbency properties of various fabrics</p> <p>SC3. knowledge of requirement of whiteness index for various fabric qualities</p> <p>SC4. adjustment of speed, temp, dwell time, chemical concentration or roller pressure depending upon the required effect on the fabric</p>

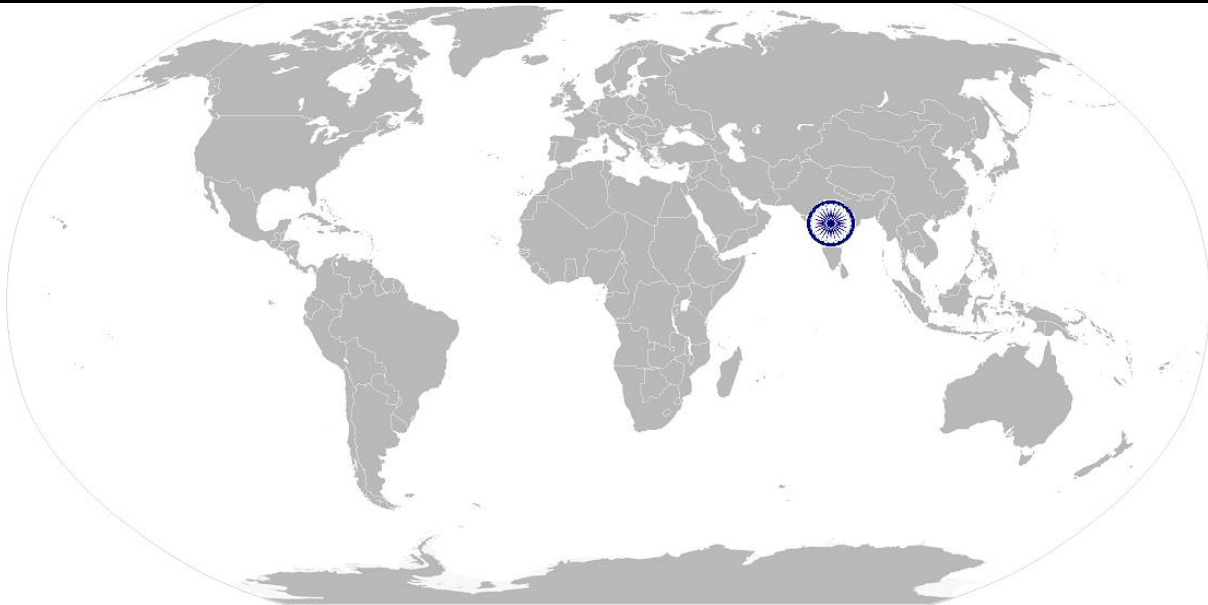


TSC/ N5106

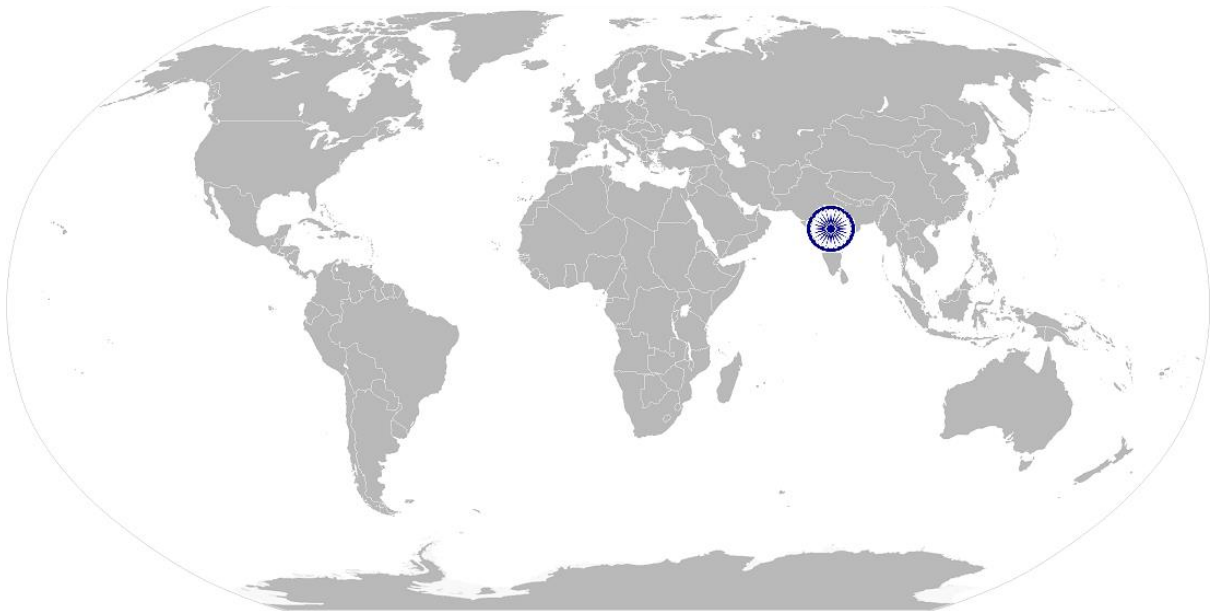
Checking the quality of Bleached Fabric

NOS Version Control

NOS Code	TSC/ N5106		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/15
Industry Sub-sector	Processing	Last reviewed on	25/02/15
Occupation	Pre-Treatment	Next review date	01/03/16



National Occupational Standard



Overview

This unit is about maintaining work areas and activities to ensure tools and machines are maintained as per norms.

TSC/ N9001

Maintaining work area, tools and machines

Unit Code	TSC/ N9001
Unit Title (Task)	Maintaining 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 covers the following <ul style="list-style-type: none"> Maintain the work area, tools and machines
Performance Criteria (PC) w.r.t. the Scope	
Elements	Performance Criteria
Maintain the work area, tools and machines	<p>To be competent, you must be able to:</p> <p>PC1. handle materials, machinery, equipment and tools with care and use them in the correct way</p> <p>PC2. use correct lifting and handling procedures</p> <p>PC3. use materials to minimize waste</p> <p>PC4. maintain a clean and hazard free working area</p> <p>PC5. maintain tools and equipment</p> <p>PC6. carry out running maintenance within agreed schedules</p> <p>PC7. carry out maintenance and/or cleaning within one's responsibility</p> <p>PC8. report unsafe equipment and other dangerous occurrences</p> <p>PC9. ensure that the correct machine guards are in place</p> <p>PC10. work in a comfortable position with the correct posture</p> <p>PC11. use cleaning equipment and methods appropriate for the work to be carried out</p> <p>PC12. dispose of waste safely in the designated location</p> <p>PC13. store cleaning equipment safely after use</p> <p>PC14. carry out cleaning according to schedules and limits of responsibility</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company/ organization and its processes)	<p>You need to know and understand:</p> <p>KA1. personal hygiene and duty of care</p> <p>KA2. safe working practices and organisational procedures</p> <p>KA3. limits of your own responsibility</p> <p>KA4. ways of resolving with problems within the work area</p> <p>KA5. the production process and the specific work activities that relate to the whole process</p> <p>KA6. the importance of effective communication with supervisors</p> <p>KA7. the lines of communication, authority and reporting procedures</p> <p>KA8. the organisation's rules, codes and guidelines (including timekeeping)</p> <p>KA9. the company's quality standards</p> <p>KA10. the importance of complying with written instructions</p> <p>KA11. equipment operating procedures / supervisor's instructions</p>
B. Technical Knowledge	<p>You need to know and understand:</p> <p>KB1. Work instructions and specifications and interpret them accurately</p> <p>KB2. Relation between work role and the overall manufacturing process</p>

TSC/ N9001

Maintaining work area, tools and machines

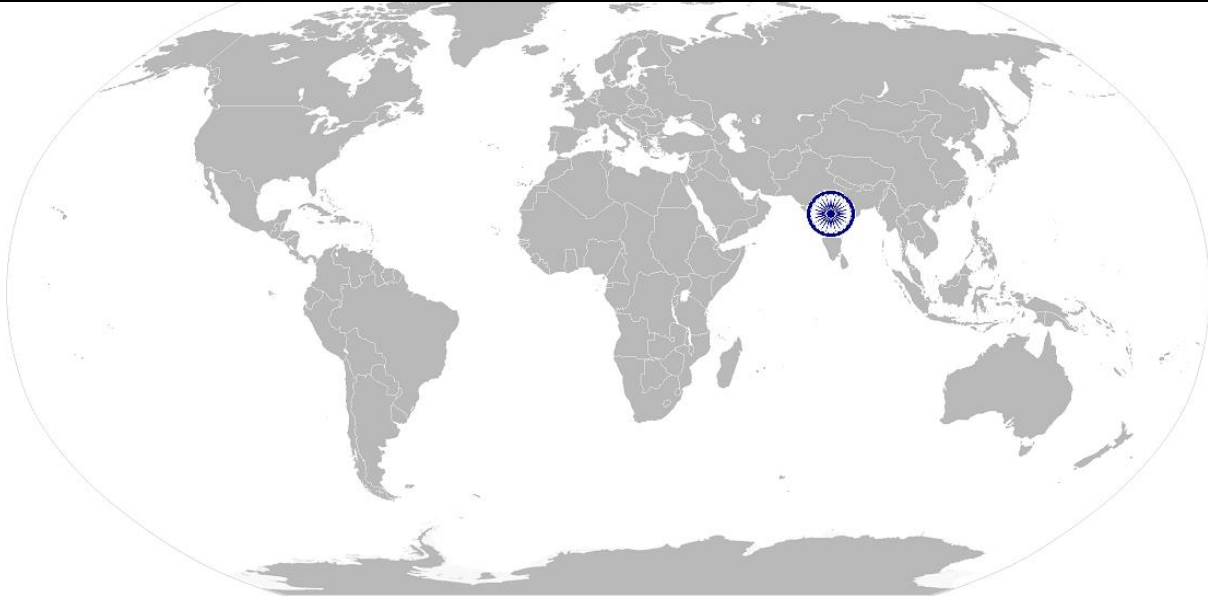
	<p>KB3. Hazards likely to be encountered when conducting routine maintenance</p> <p>KB4. The importance of taking action when problems are identified</p> <p>KB5. Different ways of minimising waste</p> <p>KB6. The importance of running maintenance and regular cleaning</p> <p>KB7. Effects of contamination on products i.e. Machine oil, dirt, foreign materials</p> <p>KB8. Common faults with equipment and the method to rectify</p> <p>KB9. Maintenance procedures</p> <p>KB10. Different types of cleaning equipment and substances and their use</p> <p>KB11. Safe working practices for cleaning and the method of carrying them out</p>
Skills (S)	
<p>A. Core Skills/ Generic Skills</p>	<p>Reading Skills</p>
	<p>You need to know and understand how to:</p> <p>SA1. Read and comprehend written instructions</p> <p>SA2. Read any application sent by other colleagues</p>
	<p>Oral Communication (Listening and Speaking skills)</p>
<p>You need to know and understand how to:</p> <p>SA3. Communicate in local language orally</p> <p>SA4. Communicate with supervisor appropriately</p> <p>SA5. Talk to others to convey information effectively</p>	
<p>B. Professional Skills</p>	<p>Problem Solving</p>
	<p>You need to know and understand how to:</p> <p>SB1. Identify the real reason of problem faced</p> <p>SB2. Apply problem-solving approaches in different situations</p> <p>SB3. Refer anomalies to the supervisor</p> <p>SB4. Seek clarification on problems from others</p>
	<p>Attention to Detail</p>
<p>You need to know and understand how to:</p> <p>SB5. Apply good attention to detail</p> <p>SB6. check your work is complete and free from errors</p> <p>SB7. Make sure every kind of communication is error free</p>	
<p>C. Technical Skills</p>	<p>You need to know and understand :</p> <p>SC1. Communicate effectively</p> <p>SC2. Apply leadership skills wherever required</p> <p>SC3. Take initiative at the right place</p> <p>SC4. Understand the requirement to be creative</p>

TSC/ N9001

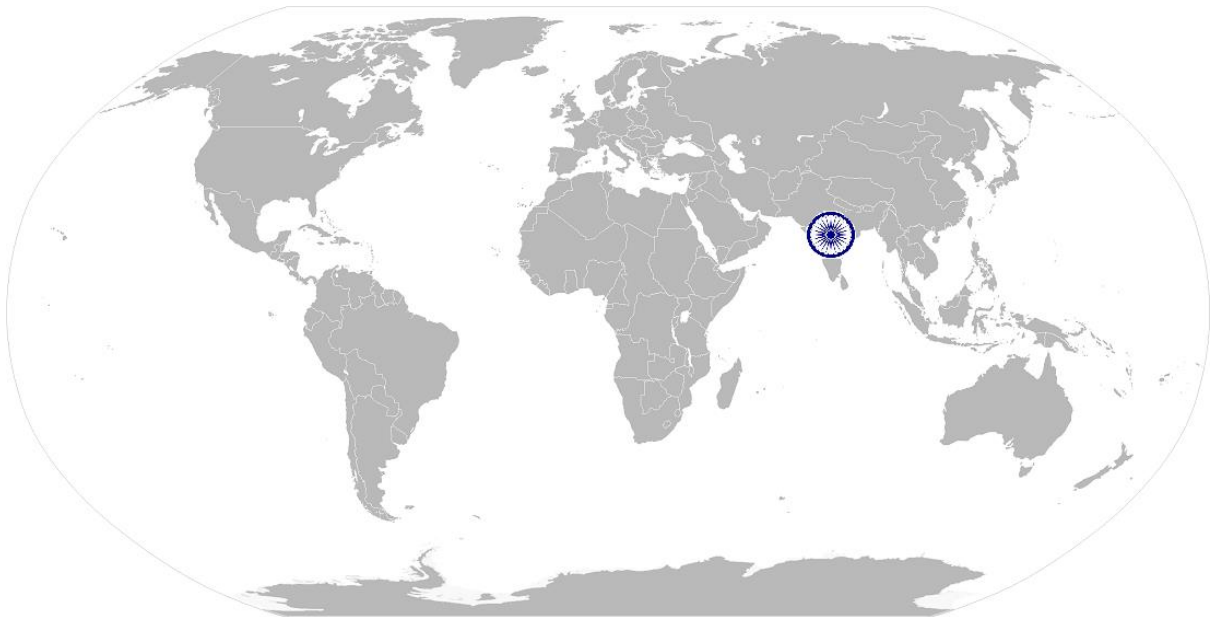
Maintaining work area, tools and machines

NOS Version Control

NOS Code	TSC/ N9001		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/15
Industry Sub-sector	Processing	Last reviewed on	25/02/15
Occupation	Pre-Treatment	Next review date	01/03/16



National Occupational Standard



Overview

This unit is about working as part of a team in the textile industry.

TSC/ N9002

Working in a team

Unit Code	TSC/ N9002
Unit Title (Task)	Working in a team
Description	This unit is about working as a team member in the role of processing unit tenter in the textile industry
Scope	This unit/task covers the following: <ul style="list-style-type: none"> ▪ commitment and trust ▪ communication ▪ adaptability ▪ creative freedom
Performance Criteria (PC) w.r.t. the Scope	
Elements	Performance Criteria
Commitment and trust	To be competent, you must be able to: PC1. be accountable to the own role in whole process PC2. perform all roles with full responsibility PC3. be effective and efficient at workplace
Communication	PC4. properly communicate about company policies PC5. report all problems faced during the process PC6. talk politely with other team members and colleagues PC7. submit daily report of own performance
Adaptability	PC8. adjust in different work situations PC9. give due importance to others' point of view PC10. avoid conflicting situations PC11. collaborate with colleagues performing the pre-required and post-required duty of processing unit tenter
Creative freedom	PC12. develop new ideas for work procedures PC13. improve upon the existing techniques to increase process efficiency
Knowledge and Understanding (K)	
A. Organizational Context	You need to know and understand: KA1. standard operating procedures (SOP) and regulations in a textile mill KA2. procedure followed to get the final output in the textile mill KA3. safe working practices to be adopted in textile mill KA4. reporting to the supervisor or higher authority about any grievances faced
B. Technical Knowledge	You need to know and understand: KB1. the importance of the previous and next step of the process KB2. process flow in a textile mill and the concerned workers KB3. material flow in a textile mill and the required person KB4. functions of different parts of the machine KB5. tools and equipments used KB6. guidelines for operating the machine KB7. safety procedures to be followed in a machine
Skills (S)	
A. Core Skills/	Writing Skills
	You need to know and understand how to:

TSC/ N9002

Working in a team

Generic Skills	SA1. write clear and short sentences SA2. write daily work report SA3. write grievance complaint application
	Reading Skills You need to know and understand how to: SA4. comprehend written instructions SA5. read any application sent by other colleagues
	Oral Communication (Listening and Speaking skills) You need to know and understand how to: SA6. communicate with supervisor appropriately SA7. talk to co-workers to convey information effectively
	B. Professional Skills
Problem Solving You need to know and understand how to: SB1. identify the real reason of problem faced SB2. be able to find the most effective solution to the problems faced	Attention to Detail You need to know and understand how to: SB3. apply good attention to detail SB4. ensure every kind of communication is error free
	C. Technical Skills You need to know and understand how to: SC1. communicate effectively SC2. apply leadership skills wherever required SC3. take initiative at the right place SC4. understand the requirement to be creative

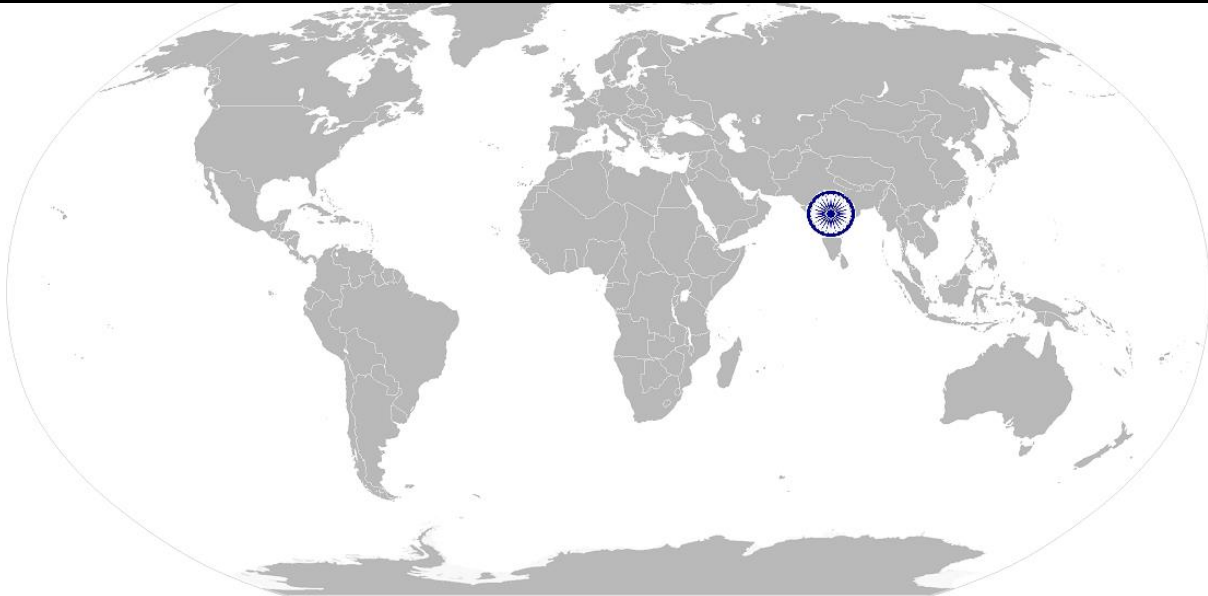


TSC/ N9002

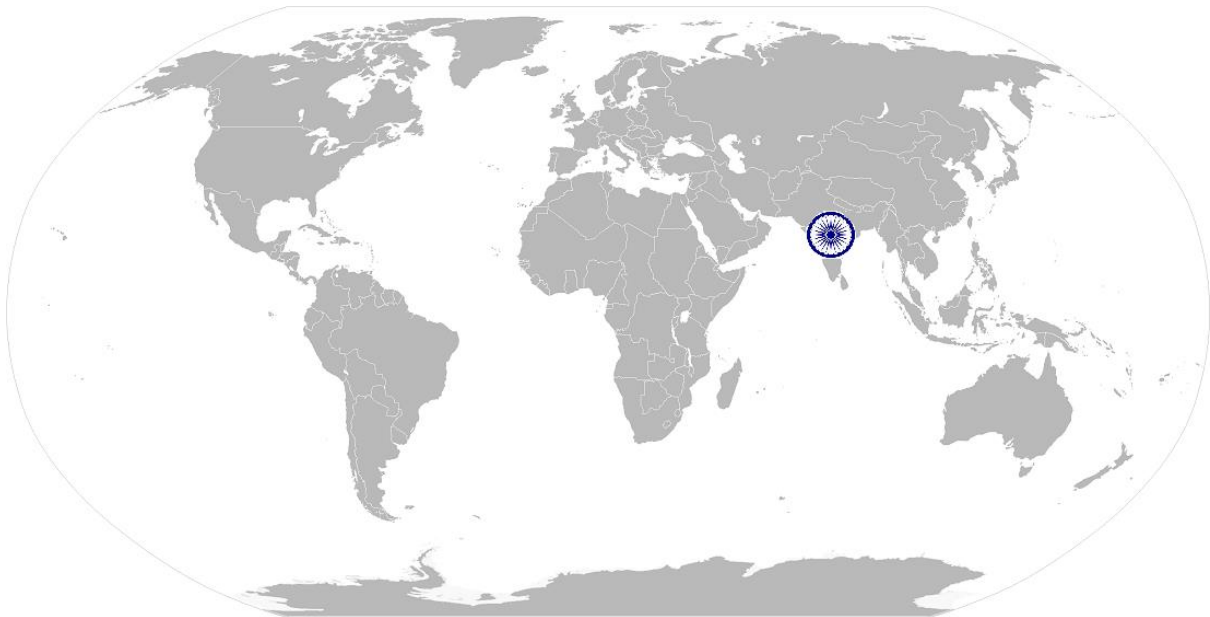
Working in a team

NOS Version Control

NOS Code	TSC/ N9002		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/15
Industry Sub-sector	Processing	Last reviewed on	25/02/15
Occupation	Pre-Treatment	Next review date	01/03/16



National Occupational Standard



Overview

This unit is about maintaining health, safety, and security standards at workplace.

TSC/ N9003

Maintain health, safety and security at work place

National Occupational Standard	Unit Code	TSC/ N9003
	Unit Title (Task)	Maintain health, safety and security at work place
	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	<p>This unit/task covers the following:</p> <ul style="list-style-type: none"> ▪ comply with health, safety and security requirements at work ▪ recognizing the hazards ▪ planning the safety techniques ▪ implementing the programs
	Performance Criteria (PC) w.r.t. the Scope	
	Elements	Performance Criteria
	Comply with health, safety and security requirements at work	<p>To be competent, operator must be able to:</p> <p>PC1. comply with health and safety related instructions applicable to the workplace</p> <p>PC2. use and maintain personal protective equipment such as “ ear plug” “ nose mask “ “ head cap” etc., as per protocol</p> <p>PC3. carry out own activities in line with approved guidelines and procedures</p> <p>PC4. maintain a healthy lifestyle and guard against dependency on intoxicants</p> <p>PC5. follow environment management system related procedures</p> <p>PC6. identify and correct (if possible) malfunctions in machinery and equipment</p> <p>PC7. report any service malfunctions that cannot be rectified</p> <p>PC8. store materials and equipment in line with organisational requirements</p> <p>PC9. safely handle and remove waste</p> <p>PC10. minimize health and safety risks to self and others due to own actions</p> <p>PC11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks</p> <p>PC12. monitor the workplace and work processes for potential risks and threat</p> <p>PC13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned</p> <p>PC14. report hazards and potential risks/ threats to supervisors or other authorized personnel</p> <p>PC15. participate in mock drills/ evacuation procedures organized at the workplace</p> <p>PC16. undertake first aid, fire-fighting and emergency response training, if asked to do so</p> <p>PC17. take action based on instructions in the event of fire, emergencies or accidents</p> <p>PC18. follow organisation procedures for shutdown and evacuation when required</p>
	Recognizing the hazards	<p>To be competent, you must be able to:</p> <p>PC19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry</p> <p>PC20. recognise other possible security issues existing in the workplace</p>

TSC/ N9003

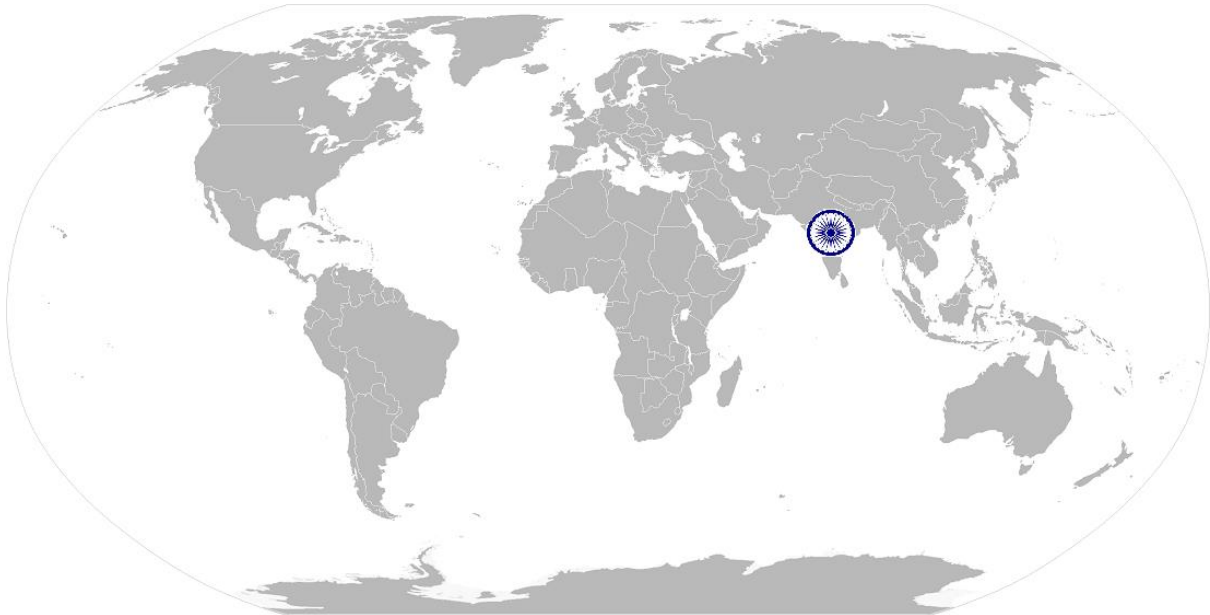
Maintain health, safety and security at work place

Planning the safety techniques	PC21. recognise different measures to curb the hazards
Implementing the programs	PC22. communicate the safety plan to everyone PC23. attach disciplinary rules with the implementation
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company/ organization and its processes)	You need to know and understand: KA1. standard operating procedures (SOP) and regulations in a textile mill KA2. safe working practices to be adopted in textile mill KA3. quality systems and other processes practiced in the textile mill KA4. health and safety related practices applicable at the workplace KA5. potential hazards, risks and threats based on nature of operations KA6. organizational procedures for safe handling of equipment and machine operations KA7. potential risks due to own actions and methods to minimize these KA8. environmental management system related procedures at the workplace KA9. layout of the plant and details of emergency exits, escape routes, emergency equipment and assembly points KA10. potential accidents and emergencies and response to these scenarios KA11. reporting protocol and documentation required KA12. details of personnel trained in first aid, fire-fighting and emergency response KA13. actions to take in the event of a mock drills/ evacuation procedures or actual accident, emergency or fire
B. Technical Knowledge	You need to know and understand: KB1. occupational health and safety risks and methods KB2. personal protective equipment and method of use KB3. identification, handling and storage of hazardous substances KB4. proper disposal system for waste and by-products KB5. signage related to health and safety and their meaning KB6. importance of sound health, hygiene and good habits KB7. ill-effects of alcohol, tobacco and drugs
Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills
	You need to know and understand how to: SA1. write clear and short sentences
	Reading Skills
	SA2. read and understand the company instructions SA3. read and understand the local language SA4. read and understand the safety guidelines
	Oral Communication (Listening and Speaking skills)
	SA1. listen to others attentively SA2. respond to emergencies, accidents or fire at the workplace SA3. evacuate the premises and help others in need while doing so SA4. the value of physical fitness, personal hygiene and good habits SA5. talk with others politely
B. Professional Skills	Decision Making

TSC/ N9003

Maintain health, safety and security at work place

	SB1. Identify correct safety measure for particular hazard SB2. Make required safety plans as and when required SB3. Raise alarm in case of emergency
	Analytical Thinking
	SB4. Know the use of correct safety measure whenever required
	Attention to Detail
	SB5. Be attentive to details SB6. Be careful to avoid occurrence of hazards
C. Technical Skills	You need to know and understand : SC1. Maintaining neatness at work SC2. Procedure for reporting unwanted behavior



TSC/ N9003

Maintain health, safety and security at work place

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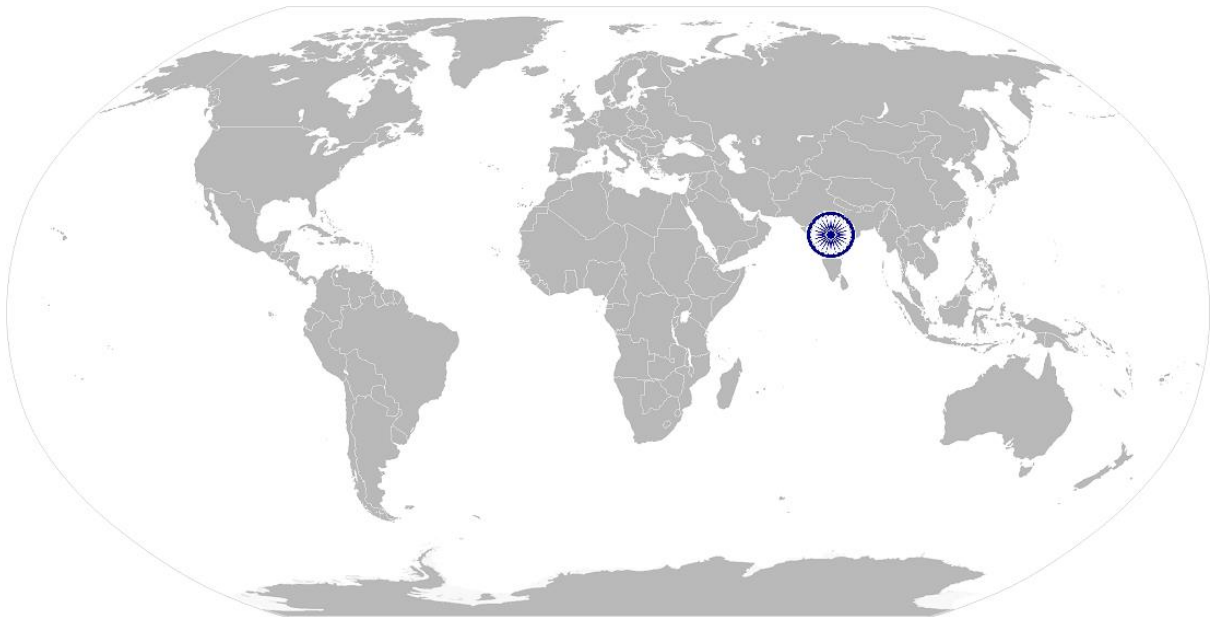
NOS Code	TSC/ N9003		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/15
Industry Sub-sector	Processing	Last reviewed on	25/02/15
Occupation	Pre-Treatment	Next review date	01/03/16



TSC/ N9004

Comply with industry and organizational requirements

National Occupational Standard



Overview

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

TSC/ N9004

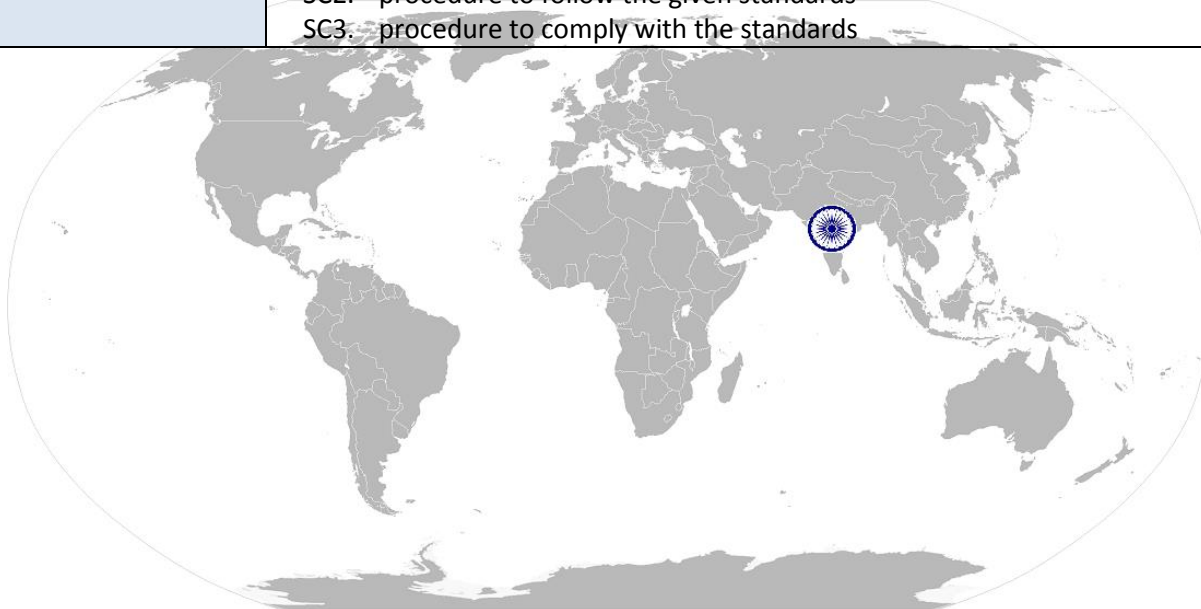
Comply with industry and organizational requirements

National Occupational Standard	Unit Code	TSC/ N9004
	Unit Title (Task)	Comply with industry and organizational requirements
	Description	This unit is about knowing, understanding, and complying with the requirements of the organization and the textile industry
	Scope	<p>This unit/task covers the following:</p> <ul style="list-style-type: none"> ▪ self development ▪ team work ▪ organizational standards ▪ industry standards
	Performance Criteria (PC) w.r.t. the Scope	
	Elements	Performance Criteria
	Self- development	<p>To be competent, you must be able to:</p> <p>PC1. perform own duties effectively</p> <p>PC2. take responsibility for own actions</p> <p>PC3. be accountable towards the job role and assigned duties</p> <p>PC4. take initiative and innovate the existing methods</p> <p>PC5. focus on self-learning and improvement</p>
	Team work	<p>PC6. co-ordinate with all the team members and colleagues</p> <p>PC7. communicate politely</p> <p>PC8. avoid conflicts and miscommunication</p>
	Organisational standards	<p>PC9. know the organisational standards</p> <p>PC10. implement them in your performance</p> <p>PC11. motivate others to follow them</p>
	Industry standards	<p>PC12. know the industry standards</p> <p>PC13. align them with organisation standards</p>
Knowledge and Understanding (K)		
A. Organizational Context (Knowledge of the company/ organization and its processes)	<p>You need to know and understand:</p> <p>KA1. standard operating procedures (SOP) and regulations in a textile mill</p> <p>KA2. reporting to the supervisor or higher authority</p> <p>KA3. organisational standards</p> <p>KA4. industry standards</p>	
B. Technical Knowledge	<p>KB1. process and material flow in a textile mill</p> <p>KB2. importance of complying with the standards</p> <p>KB3. guidelines for cleaning the various part of machine</p>	
Skills (S)		
A. Core Skills/ Generic Skills	Writing Skills	
	<p>You need to know and understand how to:</p> <p>SA1. write reports</p> <p>SA2. write clear and short sentences</p>	

TSC/ N9004

Comply with industry and organizational requirements

	Reading Skills
	You need to know and understand how to: SA3. read the local language SA4. read one more language than the local language SA5. read and comprehend the standards and rules
	Oral Communication (Listening and Speaking skills)
	You need to know and understand how to: SA6. talk effectively with others SA7. put forward your point SA8. listen to others
B. Technical Skills	You need to know and understand : SC1. procedure of preparing the industry standards SC2. procedure to follow the given standards SC3. procedure to comply with the standards



TSC/ N9004

Comply with industry and organizational requirements

NOS Version Control

NOS Code	TSC/N 9004		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/15
Industry Sub-sector	Processing	Last reviewed on	25/02/15
Occupation	Pre-Treatment	Next review date	01/03/16



Assessment criteria

Job Role: Continuous Bleaching Range Operator
Qualification Pack: Continuous Bleaching Range Operator
Sector Skill Council: Textile Sector Skill Council

Guidelines for assessment :-

1. Criteria for assessment for each qualification pack will be created by the Sector Skill Council. Each performance criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for theory & skill practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of question created by the SSC.
3. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre (as per assessment criteria below).
4. To pass the qualification pack, every trainee should score a minimum of 80%.

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
1. TSC/ N5104 Taking charge of shift and handing over shift to operator	PC1. come at least 10 - 15 minutes earlier to the work spot	33	2	0	2	0
	PC2. bring the necessary operational tools to the department		1	0	1	0
	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.		3	0	2	1
	PC4. understand the count produced, colour coding, followed in the autoconer for his allocated number of drums or machines		1	0	1	0
	PC5. ensure the technical details are mentioned in the display board in the autoconer		1	0	1	0
	PC6. check for the availability of the ring cops in cheese trolleys		1	0	1	0
	PC7. ensure all the winding units are running properly, winding units which are not running and problems if any should be clarified with the supervisor and operator		1	0	1	0

PC8. ensure all the cone drums are running properly, if not should be enquired for the reason for idle cone drumse and report to the superiors regarding the same	1	0	1	0
PC9. ensure proper functioning of autoconer machine parts	1	0	1	0
PC10. check the cleanliness of the machines & other work areas	2	0	2	0
PC11. check whether any spare/raw material/ tool / yarn / any other material are thrown under the machines or in the other work areas.	1	0	1	0
PC12. 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 that of the previous shift as well.	2	0	2	0
PC13. ensure the wastes collection boxes are empty while taking charge of shift	3	1	1	1
PC14. ensure the work spot is clean	2	0	2	0
PC15. ensure the ohtc is working properly				
PC16. hand over the shift to the incoming shift operator in a proper manner	2	0	2	0
PC17. ensure in providing the details regarding count produced, colour coding followed in the autoconer for his allocated number of cone drums or machines	1	0	1	0
PC18. provide all relevant information regarding the count produced, idle cone drums, damaged machine parts if any	1	0	1	0
PC19. get clearance from the incoming counterpart before leaving the work spot	2	0	2	0
PC20. 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	2	0	2	0
PC21. ensure the shift has to be properly handed over to the incoming shift operator	2	0	2	0
PC22. 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	2	0	1	1

	PC23. collect the wastes from waste collection bags, weigh them and transport to storage area		1	0	1	0
	PC24. ensure the work spot is clean		1	1	1	0
			36	1	32	3
	Total	Weightage %		0%	94%	6%
2. TSC/N5105 Operating the Continuous Bleaching Range Machine						
	PC1. report to his work place well before time to meet the previous shift operator	66	2	0	2	0
	PC2. discuss with him the process running on the machine		2	0	1	1
	PC3. check if the machine is running smoothly & has any breakdown in previous shift		2	0	2	0
	PC4. check for any quality issues in the fabric running on the machine		2	1	0	1
	PC5. understand the task mentioned in the work order		2	1	0	1
	PC6. ensure that the machine is clean		2	0	2	0
	PC7. clean the impregnator rolls & trough		1	0	1	0
	PC8. clean the suction slit properly		1	0	1	0
	PC9. clean all guide rolls in the reaction chambers & washing units		2	0	2	0
	PC10. ensure all guide rolls are free moving		1	0	1	0
	PC11. feed the fabric from the batch in the center of the machine		1	0	1	0
	PC12. ensure that all controls are working properly		2	0	2	0
	PC13. ensure fabric is crease-less and evenly fed onto the machine		1	0	1	0
	PC14. open steam valve & drain any condensate from the line		1	0	1	0
	PC15. know the operations of the machine		2	0	2	0
	PC16. read & understand the process being followed to do the task		2	1	0	1
	PC17. keep even tension on fabric throughout the process		2	0	2	0
	PC18. keep optimum pressure of the squeezer rolls to get good results		2	0	1	1
	PC19. set the required temp in all chambers		2	0	1	1
	PC20. open the steam valves & drain the condensate in all compartments		1	0	1	0

PC21. dispense the chemicals in the mixing tank	2	0	2	0
PC22. mix the chemicals properly & feed into the impregnator	3	1	1	1
PC23. start the machine & take out fabric either on batch	1	0	1	0
PC24. set the impregnator roller pressure to the optimum	2	0	2	0
PC25. ensure the wiper roller are functioning properly	1	0	1	0
PC26. ensure proper functioning of dosing pump & spraying of chemicals	1	0	1	0
PC27. check that all control functions are working properly	2	0	2	0
PC28. check ph & temp & other parameters in all compartments	3	1	1	1
PC29. remove the air from the steamer	1	0	1	0
PC30. set the machine speed & dwell time according to the fabric quality	2	0	1	1
PC31. set the temp in all washing chambers	1	0	1	0
PC32. ensuring proper functioning of flow meter & level controller	2	0	2	0
PC33. set the drying temp of all drying cylinders	1	0	1	0
PC34. ensure proper fabric batching tension for even & creaseless fabric winding	1	0	1	0
PC35. keep the machine clean at all times	2	0	2	0
PC36. follow the preventive maintenance schedule & ensure the machine is running smoothly	2	0	2	0
PC37. check that all controls are functioning properly	2	0	2	0
PC38. ensure enough supply of utilities such as water, air & steam for proper functioning of machine	1	0	2	0
PC39. stop the machine in case of any abnormal sound	1	0	1	0
PC40. check for any leakages of water, steam or air	1	0	1	0
PC41. Check steam, water and air pressure	1	0	0	0
	66	5	52	9
Total	Weightage %	8%	79%	14%

3. TSC/ N5106 Checking the quality of Bleached Fabric	PC1. taking out the sample after bleaching	9	2	0	2	0
	PC2. compare the sample with the standard		2	0	2	0
	PC3. check the sample for absorbency		2	0	1	1
	PC4. check the sample for whiteness index		2	0	1	1
	PC5. take the sample to your supervisor if the sample is not matching to the standard for decision		1	0	1	0
			9	0	7	2
	Total	Weightage %		0%	78%	22%
4. TSC/ N9001 Maintain work area, tools and machines	PC1. handle materials, machinery, equipment and tools with care and use them in the correct way	29	3	1	2	0
	PC2. use correct lifting and handling procedures		1	0	1	0
	PC3. use materials to minimize waste		2	1	1	0
	PC4. maintain a clean and hazard free working area		3	1	1	1
	PC5. maintain tools and equipment		3	1	2	0
	PC6. carry out running maintenance within agreed schedules		2	1	1	0
	PC7. carry out maintenance and/or cleaning within one's responsibility		1	0	1	0
	PC8. report unsafe equipment and other dangerous occurrences		1	1	0	0
	PC9. ensure that the correct machine guards are in place		2	1	1	0
	PC10. work in a comfortable position with the correct posture		3	1	2	0
	PC11. use cleaning equipment and methods appropriate for the work to be carried out		2	1	1	0
	PC12. dispose of waste safely in the designated location		2	0	2	0
	PC13. store cleaning equipment safely after use		2	0	2	0
	PC14. carry out cleaning according to schedules and limits of responsibility		2	1	1	0
		29	10	18	1	
Total	Weightage %		34%	62%	3%	

5.TSC/ N9002 Working in a team	PC1. be accountable to the own role in whole process	26	2	1	1	0
	PC2. perform all roles with full responsibility		3	1	2	0
	PC3. be effective and efficient at workplace		4	1	2	1
	PC4. properly communicate about company policies		2	1	0	1
	PC5. report all problems faced during the process		1	1	0	0
	PC6. talk politely with other team members and colleagues		2	1	1	0
	PC7. submit daily report of own performance		1	0	1	0
	PC8. adjust in different work situations		2	0	2	0
	PC9. give due importance to others' point of view		2	1	0	1
	PC10. avoid conflicting situations		3	1	1	1
	PC11. develop new ideas for work procedures		2	1	1	0
	PC12. improve upon the existing techniques to increase process efficiency		2	1	1	0
			26	10	12	4
	Total	Weightage %		38%	46%	15%
6. TSC/ N9003 Maintain health, safety and security at workplace	PC1. comply with health and safety related instructions applicable to the workplace	71	5	1	3	1
	PC2. use and maintain personal protective equipment such as "ear plug", " nose mask ", " head cap" etc., as per protocol		5	1	3	1
	PC3. carry out own activities in line with approved guidelines and procedures		3	1	2	0
	PC4. maintain a healthy lifestyle and guard against dependency on intoxicants		2	1	0	1
	PC5. follow environment management system related procedures		3	1	2	0
	PC6. identify and correct (if possible) malfunctions in machinery and equipment		3	1	1	1
	PC7. report any service malfunctions that cannot be rectified		2	1	0	1
	PC8. store materials and equipment in line with organisational requirements		2	0	1	1
	PC9. safely handle and remove waste		2	0	2	0

	PC10. minimize health and safety risks to self and others due to own actions		3	1	1	1
	PC11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks		3	1	1	1
	PC12. monitor the workplace and work processes for potential risks and threat		2	0	2	0
	PC13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		3	2	0	1
	PC14. report hazards and potential risks/ threats to supervisors or other authorized personnel		3	2	0	1
	PC15. participate in mock drills/ evacuation procedures organized at the workplace		3	1	2	0
	PC16. undertake first aid, fire-fighting and emergency response training, if asked to do so		5	2	2	1
	PC17. take action based on instructions in the event of fire, emergencies or accidents		4	1	2	1
	PC18. follow organisation procedures for shutdown and evacuation when required		2	0	2	0
	PC19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry		5	1	3	1
	PC20. recognise other possible security issues existing in the workplace		3	1	1	1
	PC21. recognise different measures to curb the hazards		3	1	2	0
	PC22. communicate the safety plan to everyone		3	2	0	1
	PC23. attach disciplinary rules with the implementation		2	1	1	0
			71	23	33	15
	Total	Weightage %		32%	46%	21%
7. TSC/ N9004 Comply with industry and organisational requirements	PC1. perform own duties effectively	39	4	1	2	1
	PC2. take responsibility for own actions		4	1	2	1
	PC3. be accountable towards the job role and assigned duties		3	1	1	1
	PC4. take initiative and innovate the existing methods		4	1	2	1
	PC5. focus on self-learning and improvement		3	1	1	1

	PC6. co-ordinate with all the team members and colleagues		3	1	2	0
	PC7. communicate politely		3	1	2	0
	PC8. avoid conflicts and miscommunication		3	1	2	0
	PC9. know the organisational standards		2	1	1	0
	PC10. implement them in your performance		3	1	2	0
	PC11. motivate others to follow them		3	1	2	0
	PC12. know the industry standards		2	1	0	1
	PC13. align them with organisation standards		2	0	2	0
			39	12	21	6
	Total	Weightage %		31%	54%	15%
	Total		276	61	175	40
Grand Total		276				