

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 – Open End SpinningTenter

SECTOR: TEXTILE

SUB-SECTOR: SPINNING

OCCUPATION: SPINNING

REFERENCE ID: TSC/ Q0203

ALIGNED TO: NCO-2004 / 8261.90

Brief Job Description:

An open end spinning tenter is responsible for carrying out tenting activities. This activity ensures minimum machine stoppage and maximum production in an open end spinning machine. An open end spinning tenter should be able to creel the sliver cans, piece the sliver on breakage, doff the cone / cheese package and carry out cleaning and preventive maintenance activities thus producing defect free yarn.

This job requires the individual to have thorough knowledge in process flow and material flow in a textile mill for yarn production and should be able to know the important functions and operations of an open end spinning machine.

Personal Attributes: A open end spinning tenter should have good eyesight, hand-eye-leg coordination, motor skills and vision. He/she should also have good interpersonal skills.

Job Details	Qualifications Pack Code	TSC/Q0203		
	Job Role	Open End Spinning Tenter		
	Credits (NSQF)	TBD	Version number	1.0
	Sector	Textile	Drafted on	15/12/14
	Sub-sector	Spinning	Last reviewed on	25/02/15
	Occupation	Spinning	Next review date	01/03/16
Job Role	Open End Spinning Tenter			
Role Description	An open end spinning tenter is responsible for carrying out tenting activities. This activity ensures minimum machine stoppage and maximum production in an open end spinning machine.			
NSQF level	4			
Minimum Educational Qualifications	5 th standard, preferably			
Maximum Educational Qualifications	N/A			
Training (Suggested but not mandatory)	Not Applicable			
Experience	Preferably 1-2 years of work experience in a textile mill			
National Occupational Standards (NOS)	<p>Compulsory:</p> <ol style="list-style-type: none"> TSC/ N0209 Taking charge of shift and handing over shift to operator TSC/ N0210 Carryout creeling and piecing activities TSC/ N0211 Carryout doffing activities TSC/ N0212 Carryout cleaning and maintenance activities 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: N/A</p>			
Performance Criteria	As described in the relevant OS units			

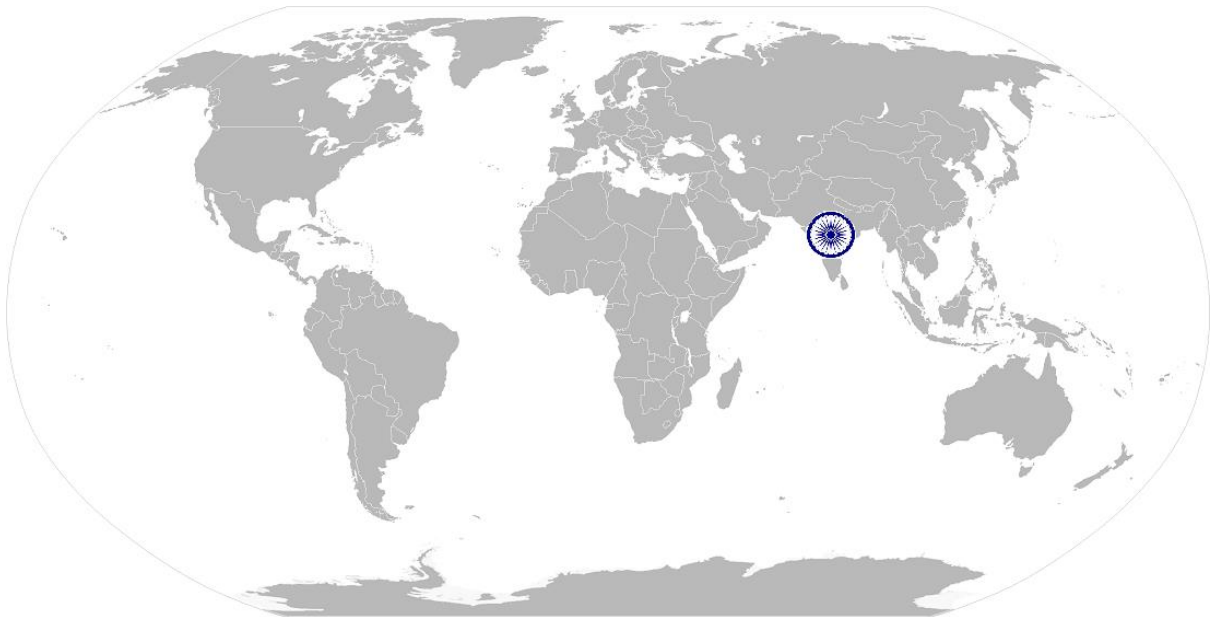
Table 1: Glossary of Key Terms

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/N 0209

Taking charge of shift and handing over shift to operator

Unit Code	TSC/ N0209
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 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 open end spinning s for his allocated number of spindles or machines</p> <p>PC5. ensure the technical details are mentioned in the display board in the open end spinning machine</p> <p>PC6. check for the availability of the carded or drawing sliver for creeling</p> <p>PC7. check the availability of sliver cans with technical details mentioned regarding the hank / count being produced</p> <p>PC8. check the yarn passage and OE yarn formation is proper</p> <p>PC9. check for the run outs , availability of sliver cans ensure all the rotors and drums are working properly, if not should be enquired for the reason for idling and report to the superiors regarding the same</p> <p>PC10. check the condition of different running rotors and winding drums</p> <p>PC11. ensure proper functioning of OE machine parts and machine</p> <p>PC12. ensure all allocated drums / rotors are running with uniform length of yarn is wound on cone, variations if any should be discussed with operator and reported to superiors</p> <p>PC13. check the condition of running winding drums, damages if any should be reported</p> <p>PC14. check the cleanliness of the machines & other work areas</p> <p>PC15. check whether any spare/raw material/ tool / yarn / any other material are thrown under the machines or in the other work areas.</p> <p>PC16. ensure the wastes collection boxes are empty while taking charge of shift</p> <p>PC17. ensure the work spot is clean</p> <p>PC18. ensure the OHTC is working properly</p> <p>PC19. 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>
Handing over shift	<p>PC20. hand over the shift to the incoming OE tenter in a proper manner</p> <p>PC21. ensure in providing the details regarding count produced, colour coding followed in the OE for his allocated number of spindles or machines</p>

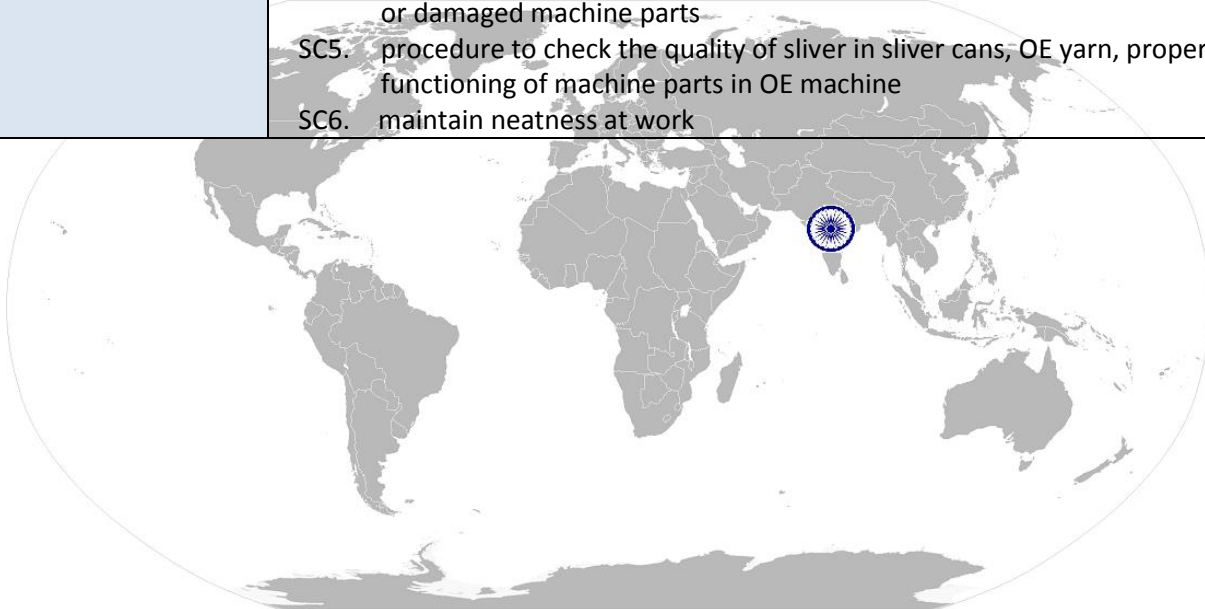
TSC/N 0209

Taking charge of shift and handing over shift to operator

	<p>PC22. provide all relevant information regarding the count produced, idle drums, damaged machine parts if any</p> <p>PC23. get clearance from the incoming counterpart before leaving the work spot</p> <p>PC24. 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> <p>PC25. ensure the shift has to be properly handed over to the incoming shift operator</p> <p>PC26. 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>PC27. collect the wastes from waste collection bags, weigh them and transport to storage area</p> <p>PC28. ensure the work spot is clean</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. safe working practices to be adopted in textile mill</p> <p>KA3. quality systems and other processes practiced in the textile mill</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 textile mill</p>
B. Technical Knowledge	<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 textile mill</p> <p>KB3. material flow in a textile mill</p> <p>KB4. importance of mixing, count change</p> <p>KB5. functions of different parts of OE machine</p> <p>KB6. guidelines for operating the OE machine</p> <p>KB7. the functions of different signal lamps</p> <p>KB8. guidelines for taking charge of shift from previous shift operator</p> <p>KB9. knowledge of waste collection system & equipments used</p> <p>KB10. importance of cleanliness at workplace</p> <p>KB11. importance of material handling and types of material handling equipments used</p> <p>KB12. functions and methodology for operating different material handling equipments</p>
Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills
	<p>You need to know and understand how to:</p> <p>SA1. Write clear and short sentences</p>
	Reading Skills
	<p>SA2. comprehend written instructions</p>
	Oral Communication (Listening and Speaking skills)
	<p>SA3. communicate with supervisor appropriately</p>

TSC/N 0209 Taking charge of shift and handing over shift to operator

	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
C. Technical Skills	Attention to Detail
	SB1. apply good attention to detail
	SB2. check your work is complete and free from errors
C. Technical Skills	You need to know and understand :
	SC1. procedure to patrol around the OE machine
	SC2. procedure to identify sliver breakage. yarn breakage, sliver exhaust
	SC3. procedure for operating different material handling tools and equipments
	SC4. procedure for patrolling around the OE department and identifying worn out or damaged machine parts
	SC5. procedure to check the quality of sliver in sliver cans, OE yarn, proper functioning of machine parts in OE machine
	SC6. maintain neatness at work

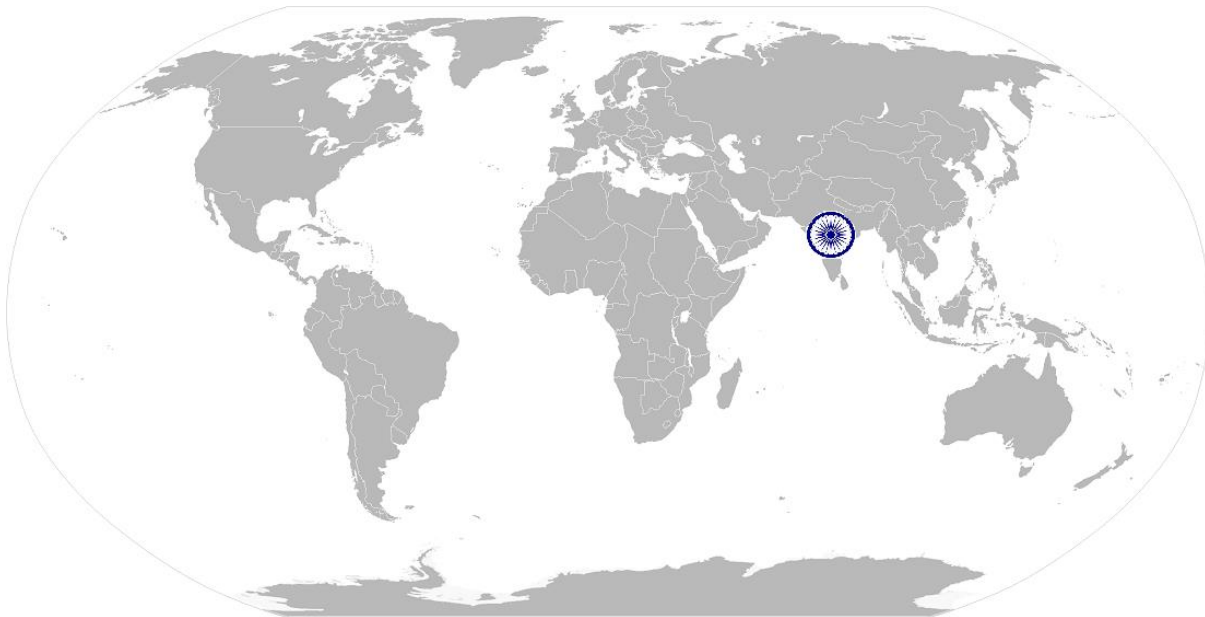


TSC/N 0209

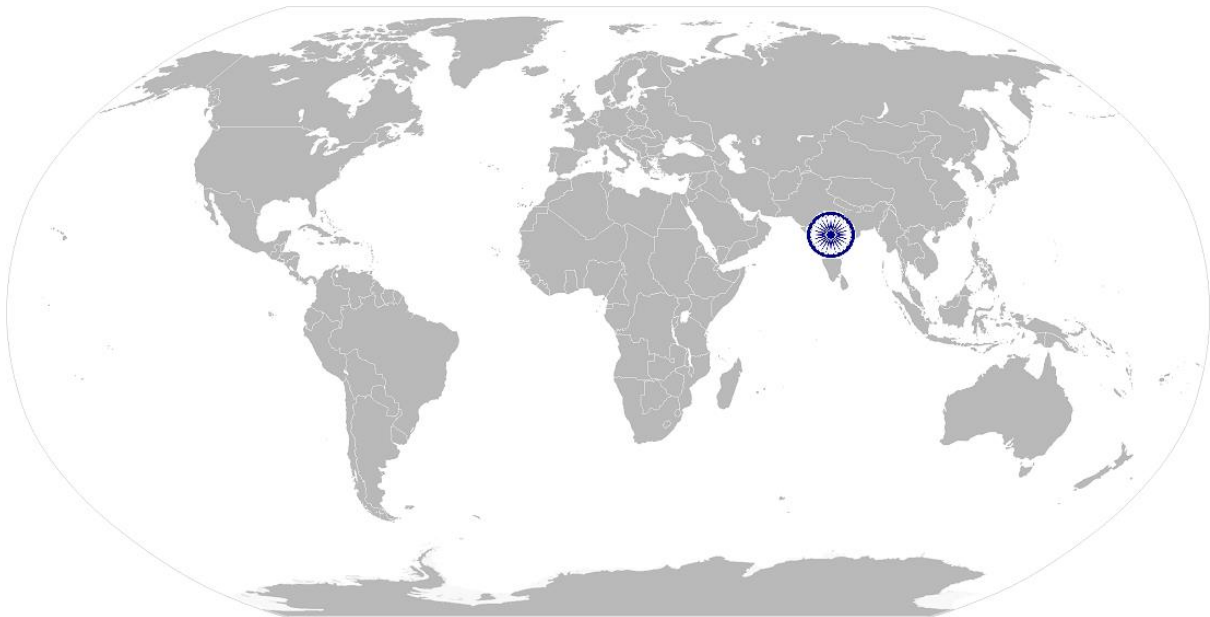
Taking charge of shift and handing over shift to operator

NOS Version Control

NOS Code	TSC/ N0209		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/14
Industry Sub-sector	Spinning	Last reviewed on	25/02/15
Occupation	Spinning	Next review date	01/03/16



National Occupational Standard



Overview

This unit is about carrying out procedure for creeling the sliver and piecing the sliver and yarn in the event of end breakage.

TSC/N 0210

Carryout creeling and piecing activities

Unit Code	TSC/ N0210
Unit Title (Task)	Carryout creeling and piecing activities
Description	This unit is about carrying out procedure for creeling the sliver and piecing the sliver and yarn in the event of end breakage
Scope	This unit/task covers the following: <ul style="list-style-type: none"> ▪ attending the machine for creeling ▪ creeling the sliver ▪ attending the machine on sliver breakage ▪ feeding / piecing the sliver to rotors ▪ attending the breaks and knotting the yarn
Performance Criteria (PC) w.r.t. the Scope	
Elements	Performance Criteria
Attending the machine for creeling	To be competent, you must be able to: PC1. understand the mixings, hanks and the colour codification used PC2. bring the sliver cans from storage area PC3. ensure correct colour coded sliver cans are taken to OE section for creeling PC4. identify sliver exhausts and removing the empty sliver cans PC5. ensure minimum time is taken for attending the sliver exhaust or can change
Creeling the sliver	PC6. ensure the correct hank of slivers cans are taken for creeling to OE department PC7. follow proper color coding of sliver cans PC8. creel the required number of cans in an organized manner PC9. ensure proper feeding of sliver into the rotors PC10. feed the slivers to the rotors PC11. ensure the slivers are passed through rotors and yarns are taken out through guides and stop motions PC12. ensure proper material handling of slivers and sliver cans
Attending the machine on sliver breakage	PC13. patrol in the OE machine work area and identify the sliver breakage by viewing in the signal lamps provided at each rotors PC14. identify the reason for stoppage PC15. ensure minimum time is taken for attending the breakage
Feeding / Piecing the sliver to rotors	PC16. ensure the slivers cans are properly and uniformly placed in the creel zone and proper distance to avoid mix up PC17. ensure that the sliver passes to through the rotors without affecting the quality of sliver PC18. ensure proper length of sliver is available from sliver can to rotor tip PC19. feed the sliver end to the rotor PC20. piece the sliver between cans in the event of sliver exhaust in sliver can and replacement with a full sliver can PC21. ensure standard procedure is adopted for feeding the sliver in rotors standards PC22. ensure minimum time is taken for piecing the sliver

TSC/N 0210

Carryout creeling and piecing activities

	<p>PC23. keep the sliver waste in the respective waste collection box PC24. segregate the reusable wastes and weigh and record them in a register PC25. ensure safety and cleanliness at work place</p>
<p>Attending the breaks and knotting the yarn</p>	<p>PC26. patrol around the machine to ensure proper production of OE yarn PC27. ensure minimum time is taken for attending the breaks PC28. feed the sliver in the rotors PC29. take the cheese package and identify defects if any PC30. remove defects in the cheese package if any PC31. lift the cheese package from the winding drum PC32. unwind the broken yarn end from the cheese to the rotor section and start new yarn formation PC33. ensure the yarn is formed with required twist PC34. ensure proper material handling of sliver, cheese and yarn PC35. to ensure proper procedure for piecing the yarn PC36. while processing knotless yarn broken ends to be overlapped on the cone/cheese as instructed PC37. ensure proper material handling of cheese and cone package PC38. ensure proper yarn passage & tension variator position post knotting PC39. ensure proper procedure for operating material handling tools and knotting equipments PC40. ensure safety while carrying out creeling and piecing activities PC41. ensure cleanliness at work place</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. 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. reporting to the supervisor or higher authority in case of emergency KA5. color coding adopted for different counts in the textile mill</p>
<p>B. Technical Knowledge</p>	<p>You need to know and understand: KB1. understanding the importance of types of fibres, types of yarn, yarn count, importance of yarn quality, types of yarn defects KB2. process flow in a textile mill KB3. material flow in a textile mill KB4. functions of different parts of OE machine KB5. importance of colour coding followed for different counts in textile mill KB6. importance of creeling KB7. importance of knotting KB8. types of yarn defects KB9. importance of attending breakages and knotting the yarn KB10. guidelines for creeling the sliver and sliver can KB11. guidelines for knotting / mending the yarn KB12. knowledge of waste collection system & equipments used KB13. importance of material handling KB14. types of material handling equipments used</p>

TSC/N 0210

Carryout creeling and piecing activities

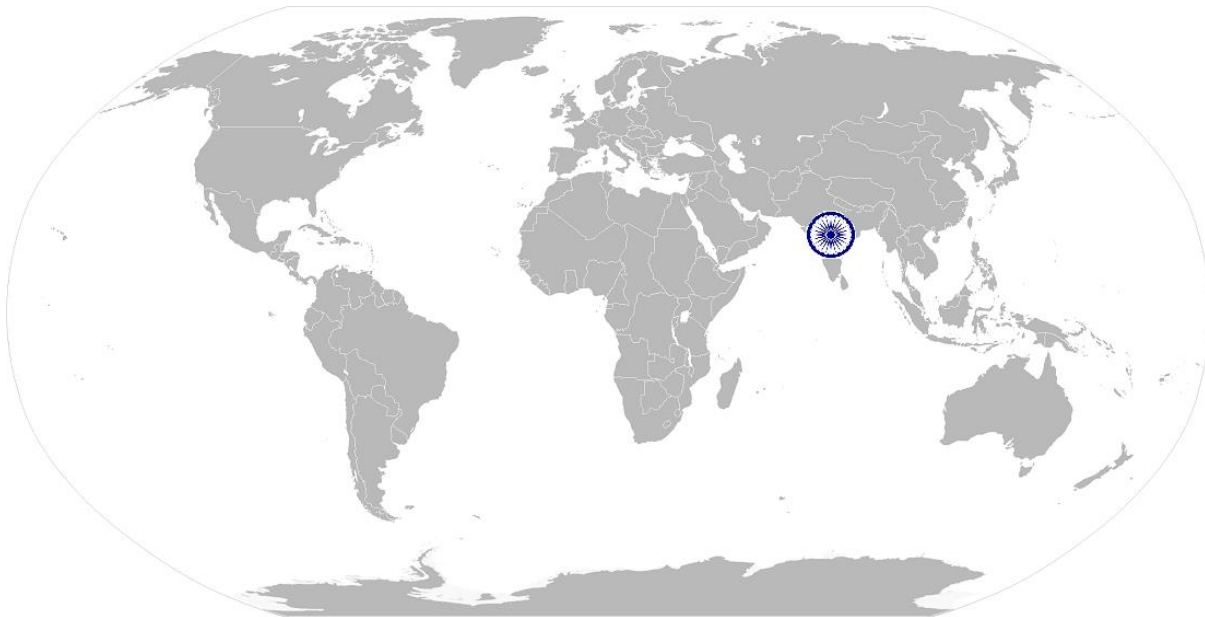
	KB15. functions and methodology for operating different material handling equipments KB16. understanding the functions of different signal lamps KB17. importance of safety at workplace KB18. importance of cleanliness at workplace
Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills
	You need to know and understand how to: SA1. write clear and short sentences
	Reading Skills
	SA2. comprehend written instructions
	Oral Communication (Listening and Speaking skills)
	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: SB1. apply good attention to detail SB2. check your work is complete and free from errors
C. Technical Skills	You need to know and understand : SC1. procedure for patrolling in the OE work area SC2. patrol around the OE machine and identify sliver / yarn breakage and sliver exhaust SC3. procedure for material handling of sliver, sliver can, cheese package SC4. standard operating procedure for creeling the sliver SC5. standard operating procedure for knotting / mending for yarn formation SC6. procedure for removing the damages in cheese package SC7. procedure for operating different material handling tools and equipments SC8. maintain neatness at work

TSC/N 0210

Carryout creeling and piecing activities

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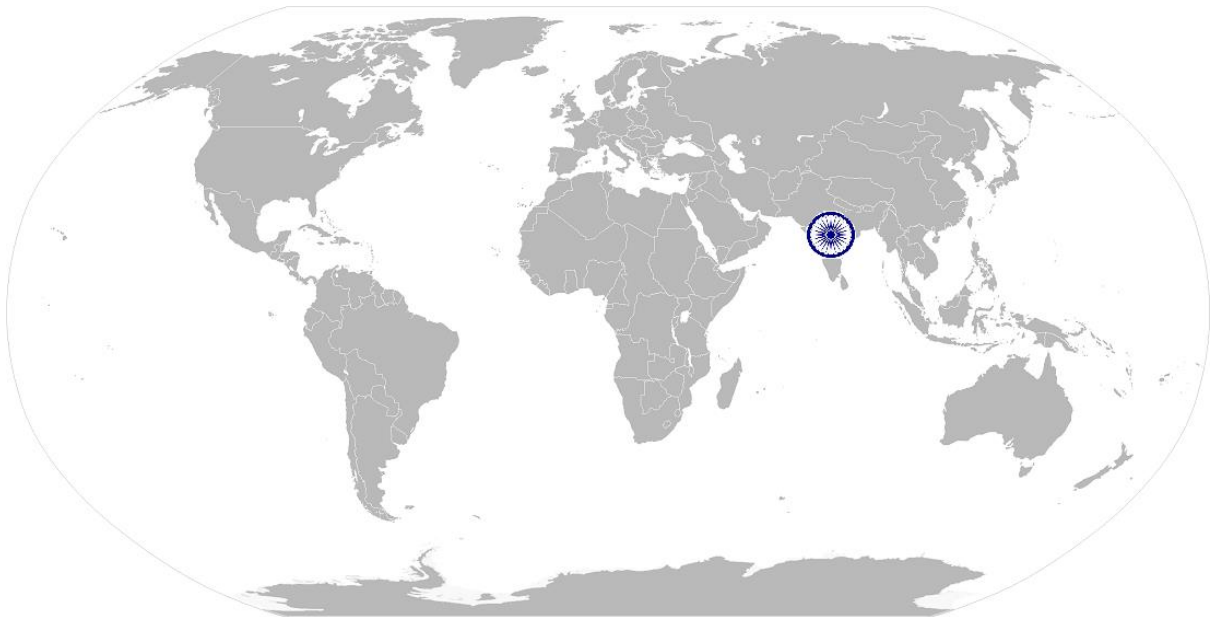
NOS Code	TSC/ N0210		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/14
Industry Sub-sector	Spinning	Last reviewed on	25/02/15
Occupation	Spinning	Next review date	01/03/16



TSC/N 0211

Carry out doffing activities

National Occupational Standard



Overview

This unit is about carrying out the doffing activities in an OE machine

TSC/N 0211

Carry out doffing activities

National Occupational Standard	Unit Code	TSC/N 0212
	Unit Title (Task)	Carry out doffing activities
	Description	This unit is about carrying out the doffing activities in an OE machine
	Scope	<p>This unit/task covers the following:</p> <ul style="list-style-type: none"> ▪ identify the machine for carrying out doffing activity ▪ doffing the cheese package ▪ weigh and store the cheese package ▪ restart the machine after doffing
	Performance Criteria (PC) w.r.t. the Scope	
	Elements	Performance Criteria
	Identify the machine for carrying out doffing	<p>To be competent, you must be able to:</p> <p>PC1. follow the plan as instructed by superior for performing doffing activities at various machines in OE department</p> <p>PC2. identify which machine is ready for doffing</p> <p>PC3. ensure minimum time is taken for identifying the machine to carryout doffing activity</p> <p>PC4. ensure in confirming the machine with the superiors for carrying out doffing activity</p>
	Doffing the cheese package	<p>PC5. check the cheese package is fully wound to the predetermined length or weight and start doffing</p> <p>PC6. remove full cheese package from cone holder</p> <p>PC7. keep doffed cheese package in the peg trolley</p> <p>PC8. either stop the machine for doffing or doff the cone package while the machine is running as per the instructions of the supervisor</p> <p>PC9. ensure proper procedure is adopted for doffing the cheese package</p> <p>PC10. ensure proper material handling of cheese package</p> <p>PC11. ensure safety while carrying out doffing activity</p>
	Weigh and store the cheese package	<p>PC12. weigh the cheese package and ensure the required weight have been achieved</p> <p>PC13. fix the cheese in the cheese holder and run it again till the cheese reaches the predetermined weight as instructed by superiors</p> <p>PC14. place the cheese in the cheese trolley and store in the storage area as instructed</p> <p>PC15. reserve the empty paper cheese in the reserve area for doffing</p>
	Restart the machine after doffing	<p>PC16. after doffing insert the empty cheese</p> <p>PC17. ensure strictly proper colour coded empty paper cone is mounted in holder</p> <p>PC18. count change and do the necessary changes and follow the instructions of the superiors</p> <p>PC19. ensure the proper passage of yarn in OE machine</p> <p>PC20. ensure all the rotors are running and piece the ends after machine is restarted</p> <p>PC21. remove all the wastes and store it count wise in the waste collection box</p>
Knowledge and Understanding (K)		

TSC/N 0211

Carry out doffing activities

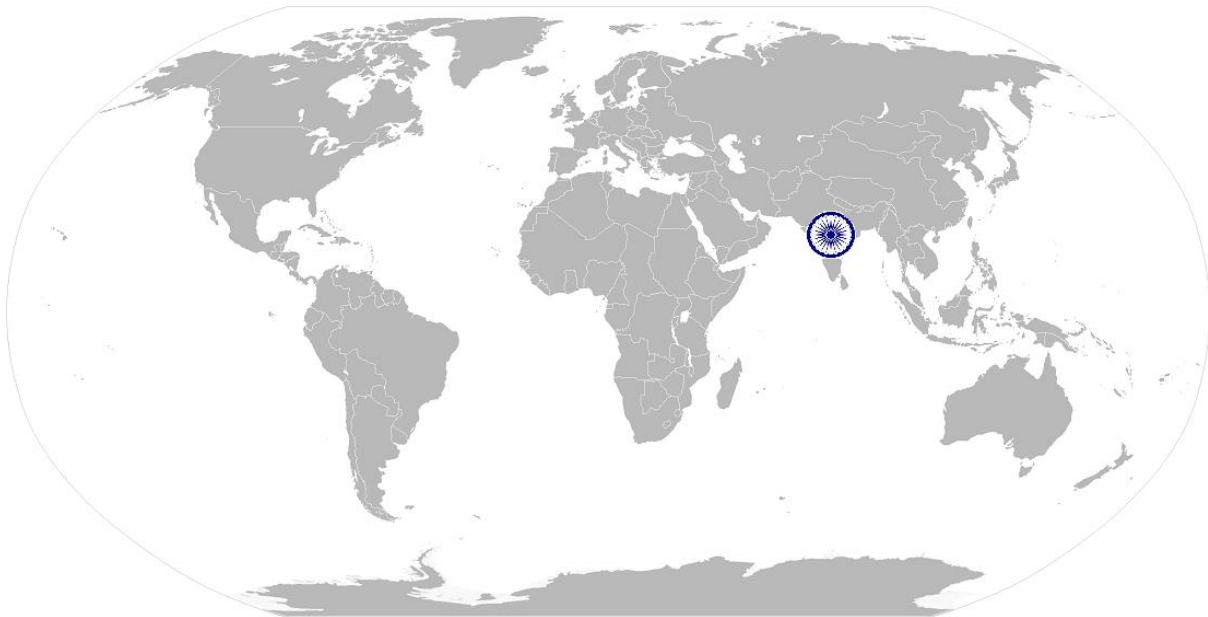
<p>A. Organizational Context (Knowledge of the company/ organization and its processes)</p>	<p>You need to know and understand:</p> <ul style="list-style-type: none"> KA1. standard operating procedures (SOP) and regulations in a textile mill KA2. safe working practices to be adopted in textile mill KA3. quality systems and other processes practiced in the textile mill KA4. reporting to the supervisor or higher authority in case of emergency KA5. color coding adopted for different counts in the textile mill
<p>B. Technical Knowledge</p>	<p>You need to know and understand:</p> <ul style="list-style-type: none"> KB1. process and material flow in a textile mill KB2. understand the types of roving defects and reason for roving breakage KB3. functions of different parts of a OE machine KB4. functions of different signal lamps and control buttons KB5. knowledge about the schedule for carrying out doffing activity KB6. type of yarn defects KB7. importance of doffing KB8. importance of material handling KB9. tools and equipments used for doffing KB10. guidelines for carrying out doffing activity KB11. knowledge of waste collection system & material handling equipments used KB12. safety procedures to be followed in a OE machine KB13. importance of cleanliness and safety at work place
<p>Skills (S)</p>	
<p>A. Core Skills/ Generic Skills</p>	<p>Writing Skills</p> <p>You need to know and understand how to:</p> <ul style="list-style-type: none"> SA1. write clear and short sentences <p>Reading Skills</p> <ul style="list-style-type: none"> SA2. comprehend written instructions <p>Oral Communication (Listening and Speaking skills)</p> <ul style="list-style-type: none"> SA3. communicate with supervisor appropriately SA4. talk to others to convey information effectively
<p>B. Technical Skills</p>	<p>You need to know and understand :</p> <ul style="list-style-type: none"> SC1. standard operating procedure for carrying out doffing activity SC2. procedure to inspect the cheese package and identify defects in cheese SC3. procedure to identify the cone defects SC4. procedure to material handling cone and cone trolley SC5. procedure for deposit the waste. SC6. maintain neatness at work

TSC/N 0211

Carry out doffing activities

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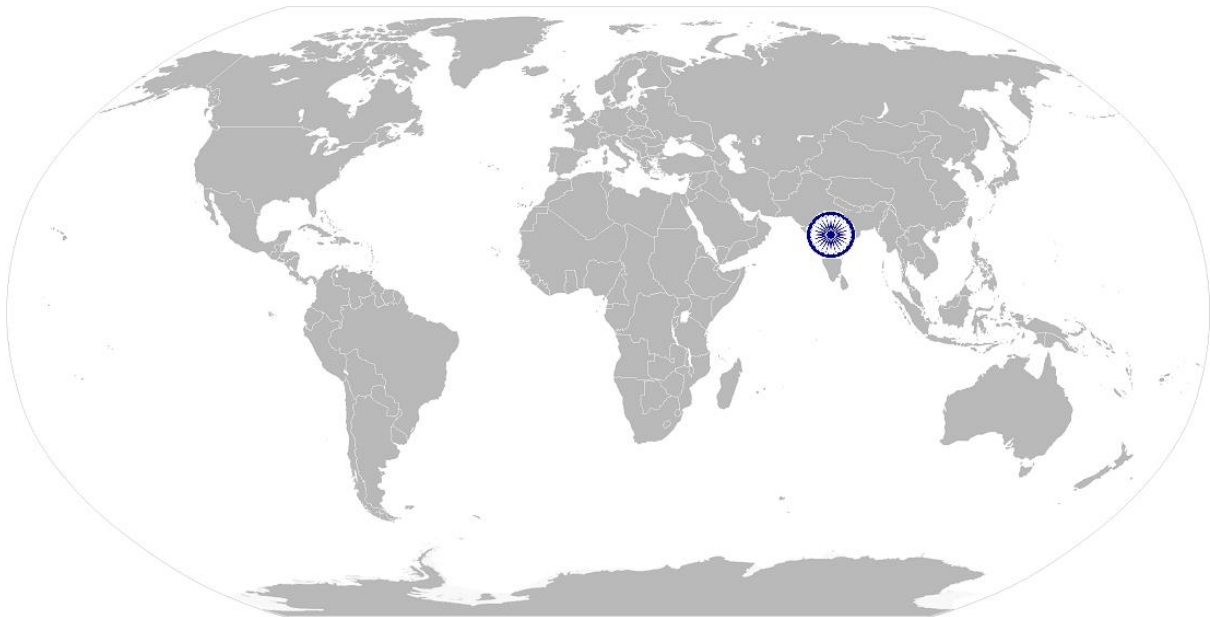
NOS Code	TSC/N 0211		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/14
Industry Sub-sector	Spinning	Last reviewed on	25/02/15
Occupation	Spinning	Next review date	01/03/16



TSC/ N0212

Carryout cleaning and maintenance activities

National Occupational Standard



Overview

This unit is about carrying out the cleaning and maintenance activities in an open end spinning machine.

TSC/ N0212 Carryout cleaning and maintenance activities

National Occupational Standard	Unit Code	TSC/ N0212
	Unit Title (Task)	Carryout cleaning and maintenance activities
	Description	This unit is about carrying out the cleaning and maintenance activities in open end spinning machine
	Scope	This unit/task covers the following: <ul style="list-style-type: none"> ▪ carryout cleaning & maintenance activities ▪ carryout preventive maintenance activities ▪ other tenting responsibilities
	Performance Criteria (PC) w.r.t. the Scope	
	Elements	Performance Criteria
	Carry out cleaning & maintenance activities	To be competent, you must be able to: <ul style="list-style-type: none"> PC1. schedule the cleaning and maintenance activities PC2. carry out cleaning and maintenance activities PC3. clean the creeling area PC4. ensure cleanliness in the yarn passage PC5. clean the rotor at regular intervals PC6. failure of stop motion, breakdown should be reported to superiors immediately PC7. ensure proper cleaning of different mechanisms in OE machine PC8. deposit the sliver wastes yarn waste in the waste collection pocket provided to each tenter and finally depositing in the waste collection box PC9. remove the cleaned wastes and store in separate area PC10. clean the alley around the OE machine using proper cleaning equipments PC11. ensure the wastes collected from different parts of machine are deposited in the respective dustbins PC12. ensure the OE department is neat and clean
	Carry out preventive maintenance activities	<ul style="list-style-type: none"> PC13. ensure proper functioning of machine PC14. check and verify the quality of different machine parts PC15. ensure taking care of yarn passage, rotors, guides, winding drums PC16. support fitter in removing the worn out parts and replace with new parts in OE machine PC17. oil the different parts of OE machine on need basis PC18. check OHTC air blowing PC19. check bottom apron ,top apron, spacer PC20. notice damaged bobbins and refuse PC21. report to the supervisor and maintenance fitter if any problems noticed in smooth functioning of machine PC22. ensure the OHTC is working. PC23. carry out preventive maintenance activities at the specified intervals
	Other tenting responsibilities	<ul style="list-style-type: none"> PC24. when there is any count change check the count board, cheese colour, cone tip colour end other given instructions PC25. record the production details in the production report PC26. report to the supervisor in case of emergency stoppage of machine

TSC/ N0212

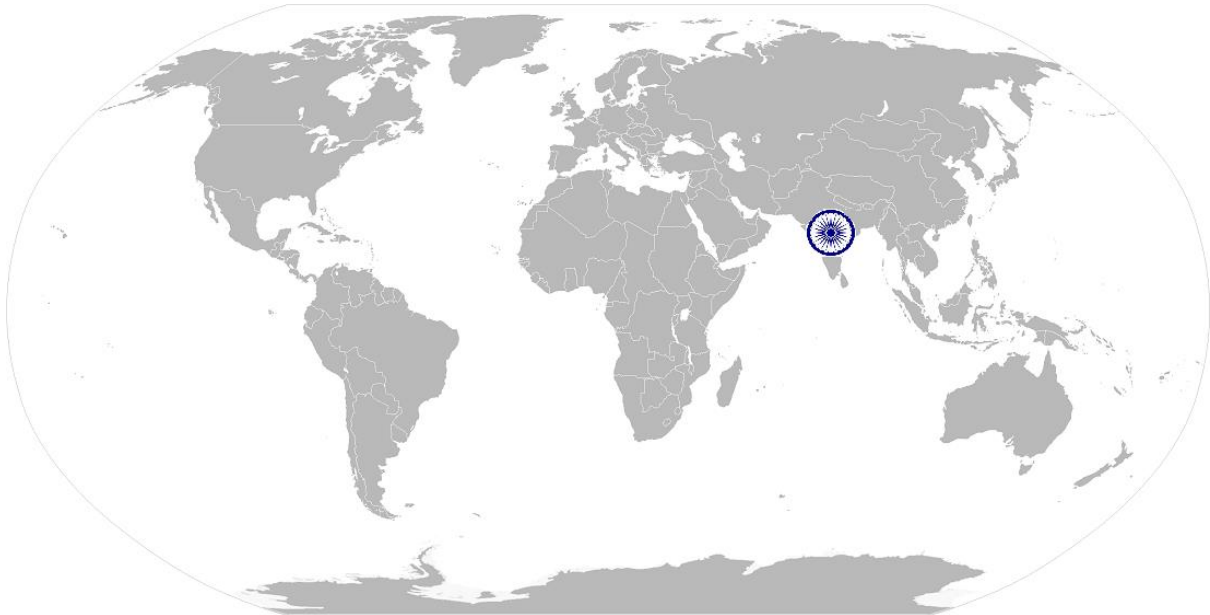
Carryout cleaning and maintenance activities

	<p>PC27. report to the supervisor and maintenance in charge if the operator was able to replace the worn out machine part with a new one.</p> <p>PC28. support the maintenance team while machine is under maintenance</p> <p>PC29. ensure all details related to production are provided the next shift operator while relieving</p> <p>PC30. ensure count wise storage of damaged cheese in a separate area</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 textile mill</p> <p>KA2. safe working practices to be adopted</p> <p>KA3. quality systems and other processes practiced in the textile mill</p> <p>KA4. report to the supervisor or higher authority in case of emergency</p>
<p>B. Technical Knowledge</p>	<p>You need to know and understand:</p> <p>KB1. process and material flow in a textile mill</p> <p>KB2. functions of different parts of an OE machine</p> <p>KB3. importance of yarn quality</p> <p>KB4. importance of cleaning</p> <p>KB5. schedule for cleaning</p> <p>KB6. types and functions of various cleaning tools and equipments</p> <p>KB7. guidelines for cleaning the various part of OE machine</p> <p>KB8. operational schedule for cleaning different parts of an OE machine</p> <p>KB9. guidelines for carrying out routine preventive maintenance activities</p> <p>KB10. types of end breaks and reason for end breaks</p> <p>KB11. knowledge of the types of oil used for preventive maintenance</p> <p>KB12. the safety precautions to be followed in a open end spinning department</p>
Skills (S)	
<p>A. Core Skills/ Generic Skills</p>	<p>Writing Skills</p>
	<p>You need to know and understand how to:</p> <p>SA1. write clear and short sentences</p>
	<p>Reading Skills</p>
	<p>SA2. comprehend written instructions</p>
	<p>Oral Communication (Listening and Speaking skills)</p> <p>SA3. communicate with supervisor appropriately</p> <p>SA4. talk to others to convey information effectively</p>
<p>C. Technical Skills</p>	<p>You need to know and understand :</p> <p>SC1. procedure for operating the various cleaning tools and equipments</p> <p>SC2. procedure for cleaning the creeling area</p> <p>SC3. procedure for cleaning the different mechanisms in OE machine</p> <p>SC4. procedure for proper material handling of cleaning equipments and maintenance tools</p> <p>SC5. procedure to identify and remove worn out parts in OE machine</p> <p>SC6. procedure to replace the worn out parts with a new machine part</p>

TSC/ N0212

Carryout cleaning and maintenance activities

	SC7. procedure for carrying our preventive maintenance activities SC8. procedure for oiling different parts of OE machine SC9. maintain neatness at work
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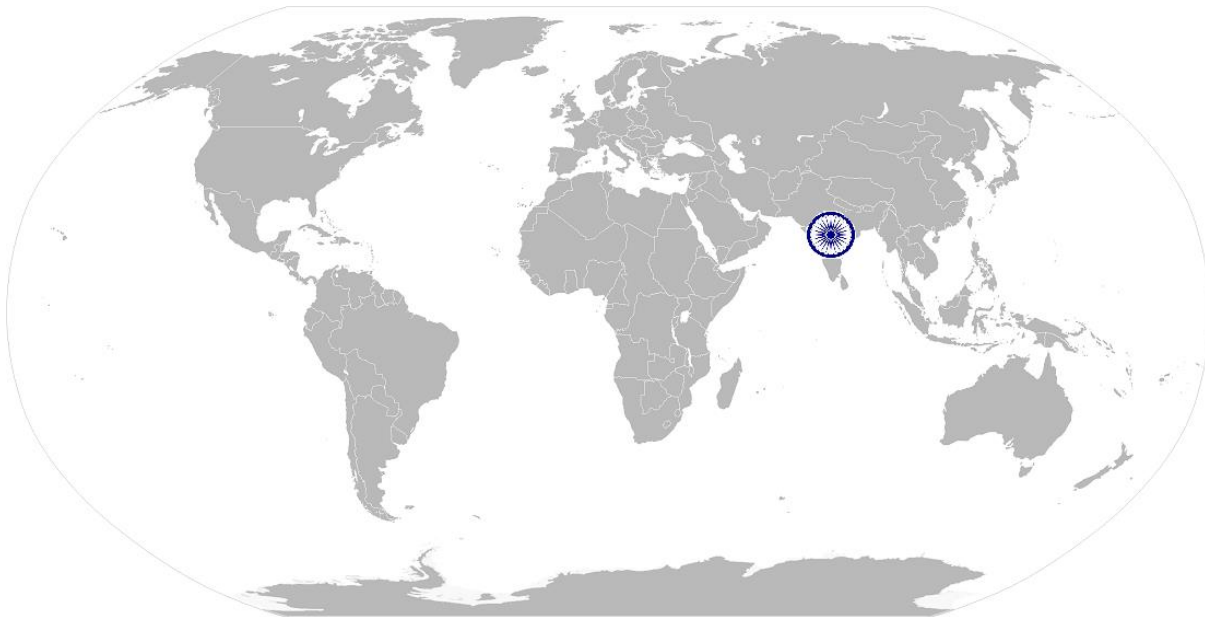


TSC/ N0213

Carryout cleaning and maintenance activities

NOS Version Control

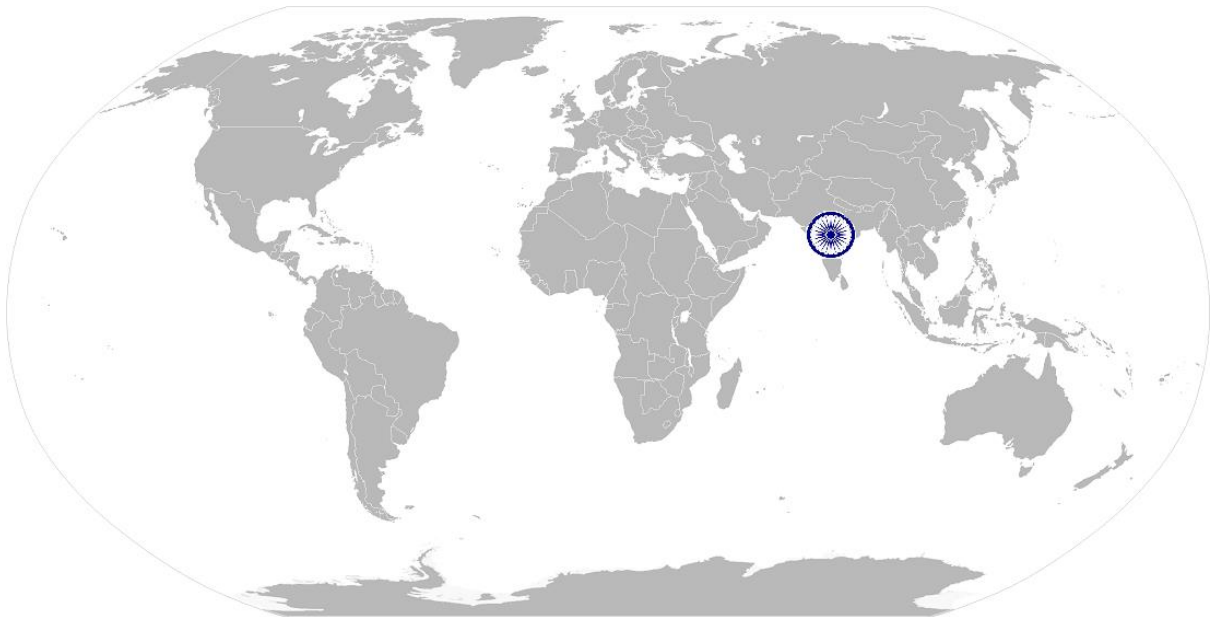
NOS Code	TSC/ N0212		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/14
Industry Sub-sector	Spinning	Last reviewed on	25/02/15
Occupation	Spinning	Next review date	01/03/16



TSC/ N9001

Maintain work area, tools and machines

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

Maintain work area, tools and machines

Unit Code	TSC/ N9001
Unit Title (Task)	Maintain work area, tools and machines
Description	This unit provides performance criteria, knowledge & understanding and skills & abilities required to organize/ maintain work areas and activities to ensure tools and machines are maintained as per norms
Scope	This unit/task 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	To be competent, you must be able to: <ul style="list-style-type: none"> PC1. handle materials, machinery, equipment and tools with care and use them in the correct way PC2. use correct lifting and handling procedures PC3. use materials to minimize waste PC4. maintain a clean and hazard free working area PC5. maintain tools and equipment PC6. carry out running maintenance within agreed schedules PC7. carry out maintenance and/or cleaning within one's responsibility PC8. report unsafe equipment and other dangerous occurrences PC9. ensure that the correct machine guards are in place PC10. work in a comfortable position with the correct posture PC11. use cleaning equipment and methods appropriate for the work to be carried out PC12. dispose of waste safely in the designated location PC13. store cleaning equipment safely after use PC14. carry out cleaning according to schedules and limits of responsibility
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company/ organization and its processes)	You need to know and understand: <ul style="list-style-type: none"> KA1. personal hygiene and duty of care KA2. organization's standard operating procedures (SOP) 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 organization'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
B. Technical Knowledge	You need to know and understand: <ul style="list-style-type: none"> KB1. work instructions and specifications and interpret them accurately KB2. relation between work role and the overall manufacturing process KB3. hazards likely to be encountered when conducting routine maintenance

TSC/ N9001

Maintain work area, tools and machines

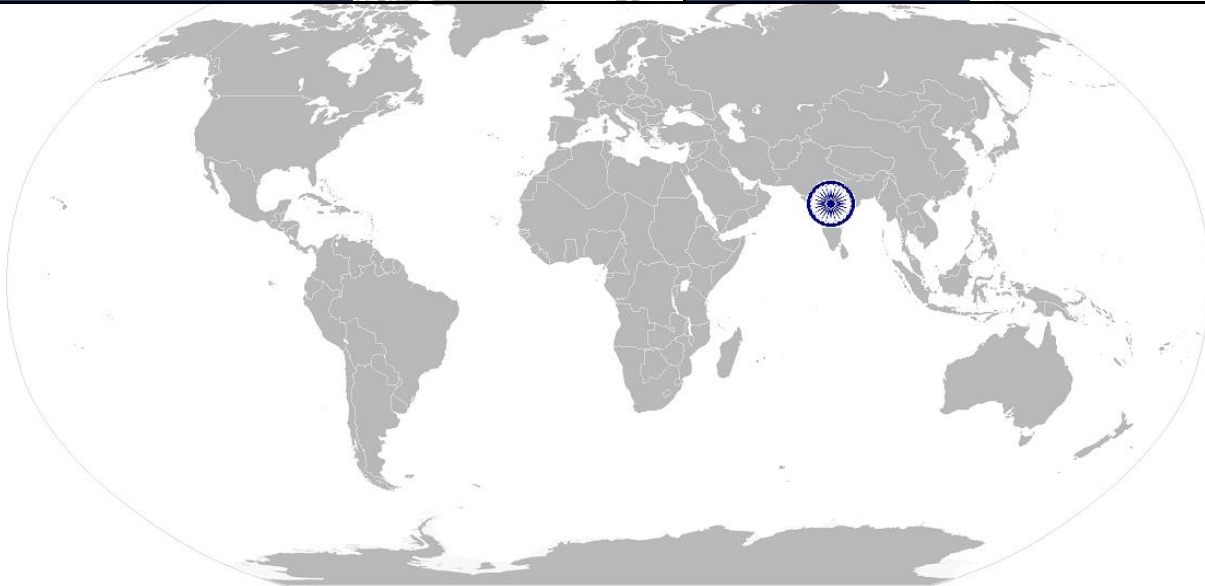
	<p>KB4. the importance of taking action when problems are identified</p> <p>KB5. different ways of minimizing waste</p> <p>KB6. the importance of running maintenance and regular cleaning</p> <p>KB7. effects of contamination on products i.e. machine oil, dirt, foreign materials</p> <p>KB8. common faults 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)	
A. Core Skills/ Generic Skills	Reading Skills
	You need to know and understand how to:
	<p>SA1. comprehend written instructions</p> <p>SA2. read any application sent by other colleagues</p>
B. Professional Skills	Oral Communication (Listening and Speaking skills)
	You need to know and understand how to:
	<p>SA3. Communicate effectively in local language</p> <p>SA4. communicate with supervisor appropriately</p> <p>SA5. talk to others to convey information effectively</p>
C. Technical Skills	Problem Solving
	You need to know and understand how to:
	<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>
C. Technical Skills	Attention to Detail
	You need to know and understand how to:
	<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>
C. Technical Skills	You need to know and understand :
	SC1. communicate effectively
	SC2. apply leadership skills wherever required
	SC3. take initiative at the right place
	SC4. understand the requirement to be creative

TSC/ N9001

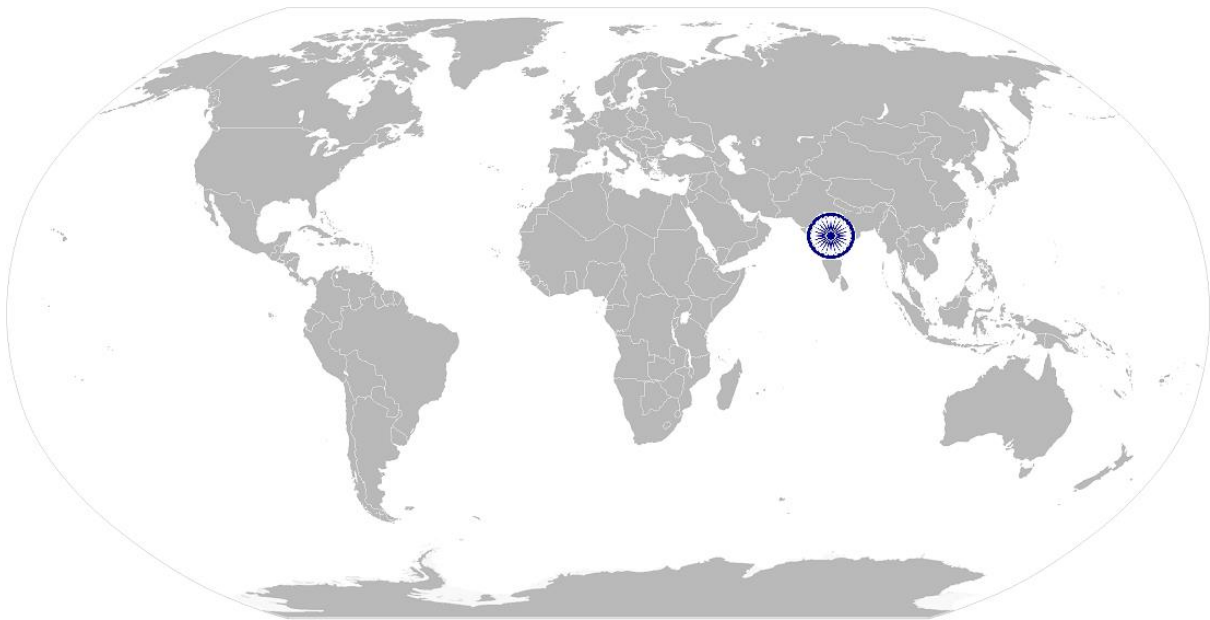
Maintain work area, tools and machines

NOS Version Control

NOS Code	TSC/ N9001		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/14
Industry Sub-sector	Spinning	Last reviewed on	25/02/15
Occupation	Spinning	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

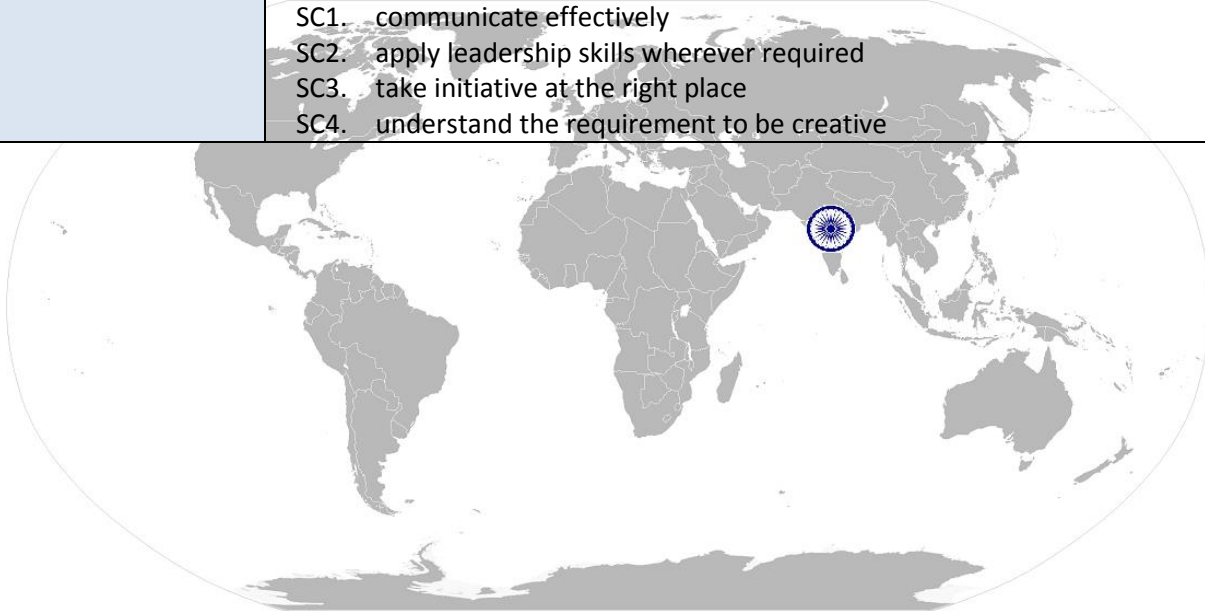
Working in a team

Unit Code	TSC/ N9002
Unit Title (Task)	Working in a team
Description	This unit is about working as a team member in the 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
Creative freedom	PC11. develop new ideas for work procedures PC12. improve upon the existing techniques to increase process efficiency
Knowledge and Understanding (K)	
A. Organizational Context	You need to know and understand: <ul style="list-style-type: none"> KA1. standard operating procedures (SOP) and regulations in a textile mill KA2. procedure followed to get the final output in the 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	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 the machine
Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills
	You need to know and understand how to: <ul style="list-style-type: none"> SA1. write clear and short sentences SA2. write daily work report SA3. write grievance complaint application

TSC/ N9002

Working in a team

	Reading Skills
	SA4. comprehend written instructions SA5. read any application sent by other colleagues
	Oral Communication (Listening and Speaking skills)
	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
	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

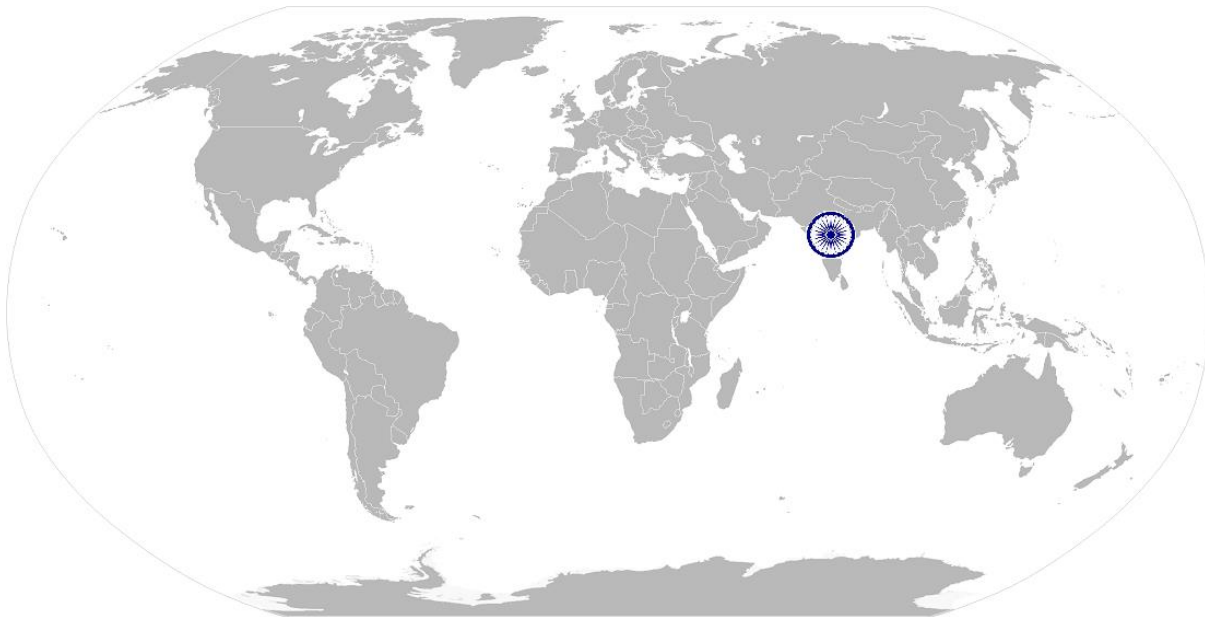


TSC/ N9002

Working in a team

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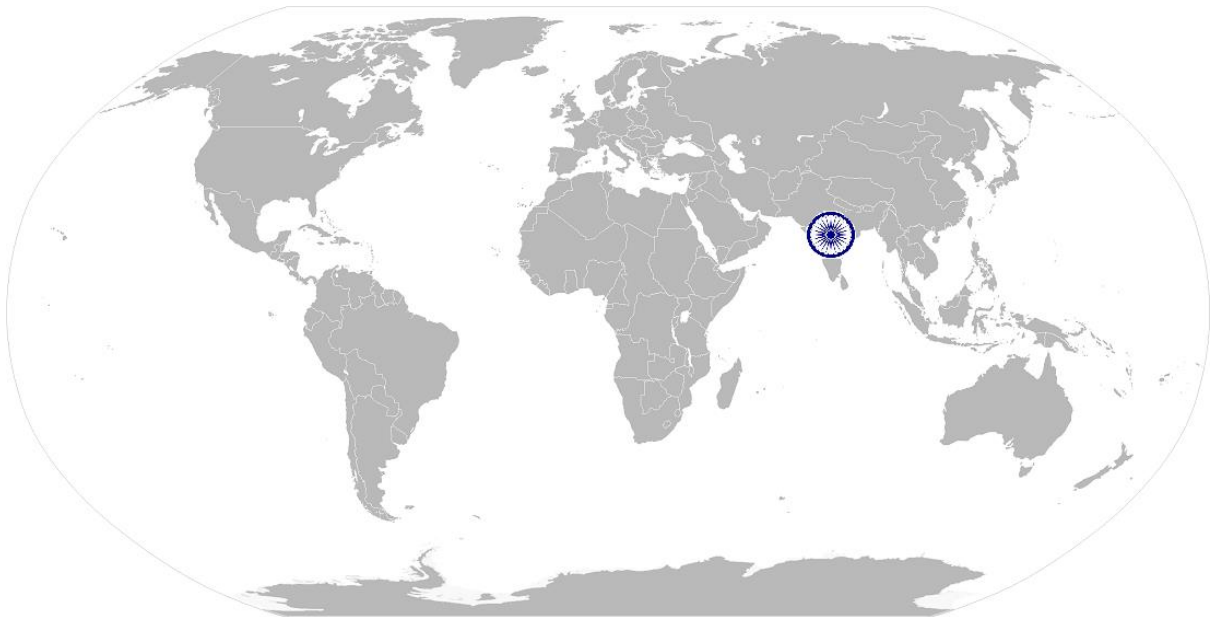
NOS Code	TSC/ N9002		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/14
Industry Sub-sector	Spinning	Last reviewed on	25/02/15
Occupation	Spinning	Next review date	01/03/16



TSC/ N9003

Maintain health, safety and security at work place

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

TSC/ N9003

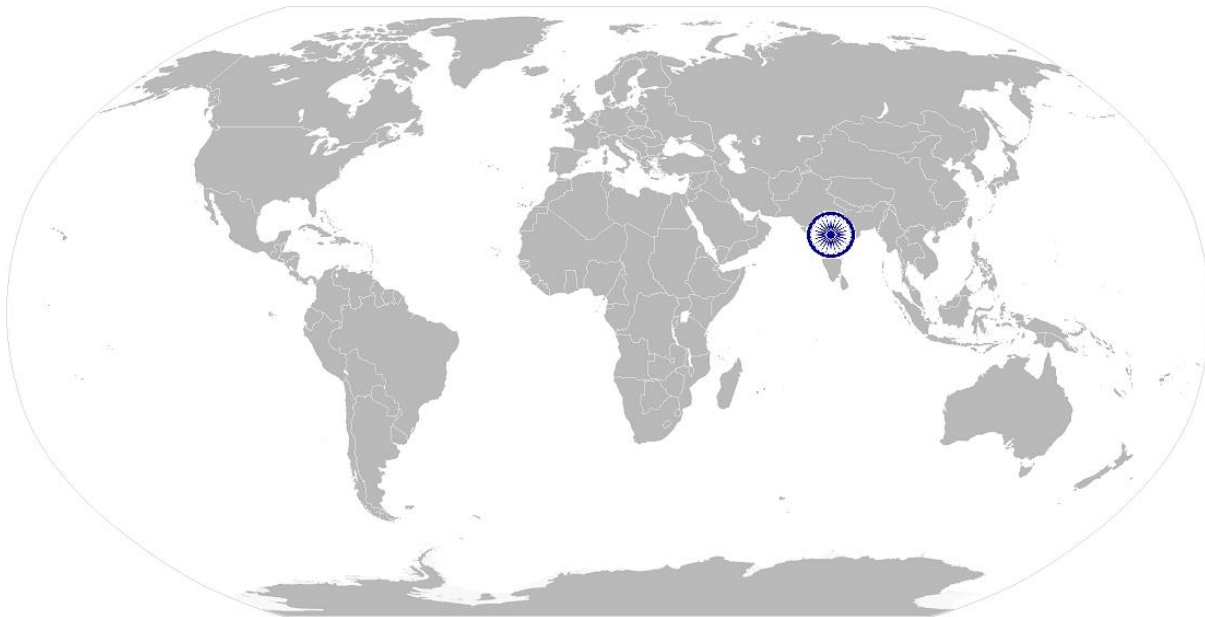
Maintain health, safety and security at work place

	PC20. recognise other possible security issues existing in the workplace
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 work instructions 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

TSC/ N9003

Maintain health, safety and security at work place

B. Professional Skills	Decision Making
	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
C. Technical Skills	Attention to Detail
	SB5. be attentive to details
	SB6. be careful to avoid occurrence of hazards
	You need to know and understand :
	SC1. maintenance of neatness at work
	SC2. procedure for reporting unwanted behavior

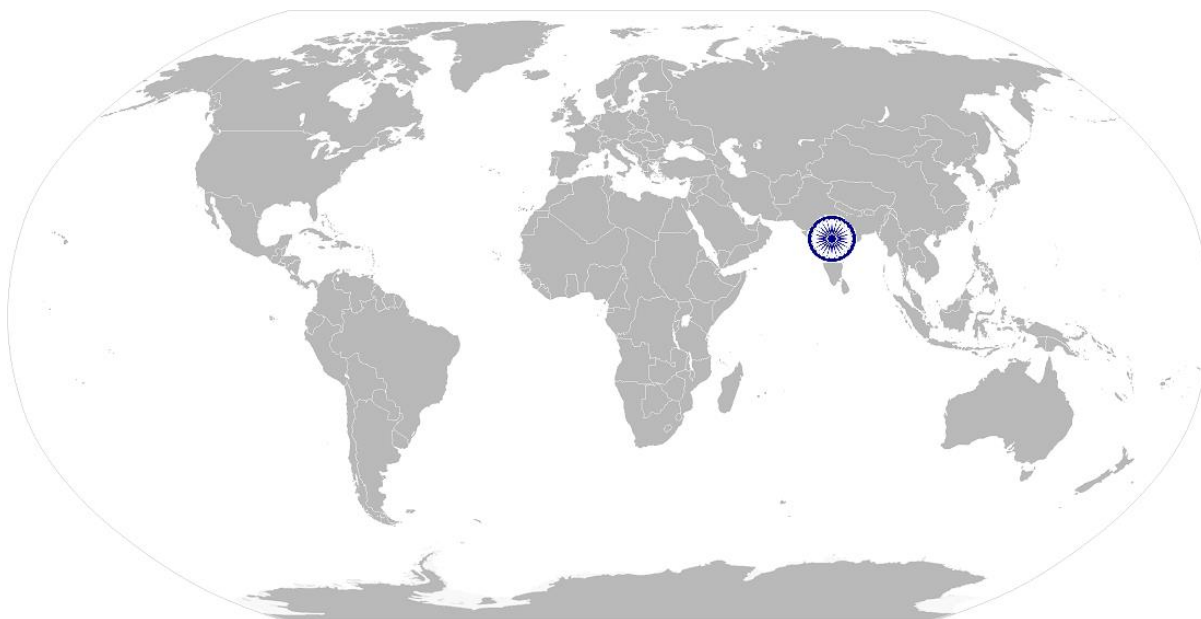


TSC/ N9003

Maintain health, safety and security at work place

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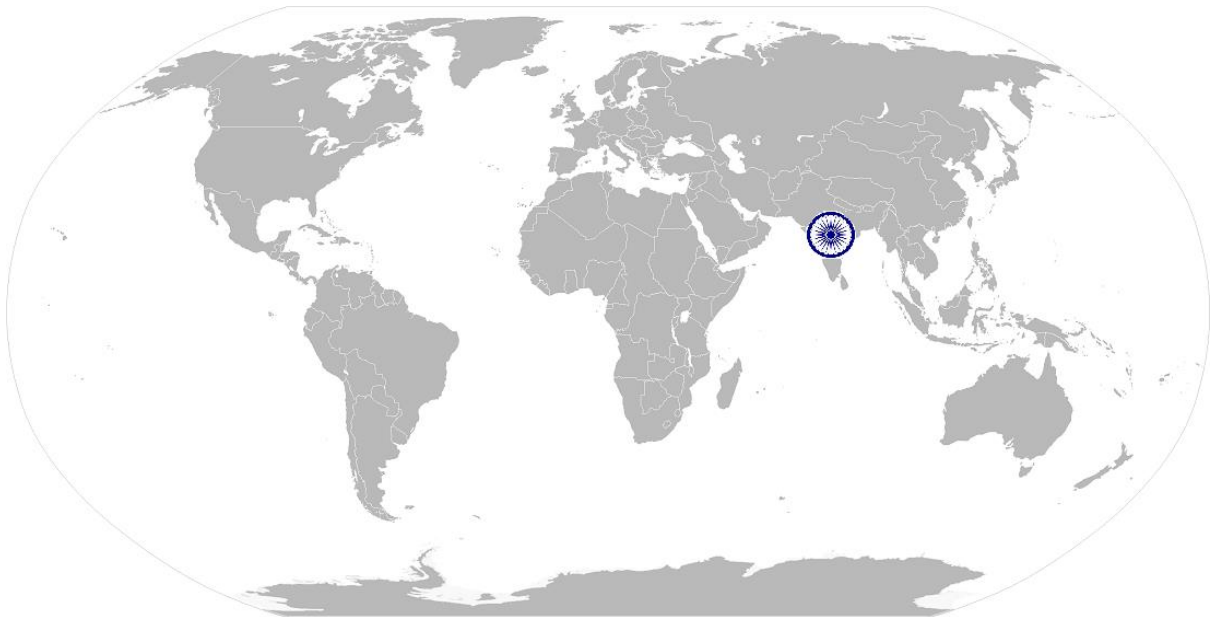
NOS Code	TSC/ N9003		
Credits (NSQF)	TBD	Version number	1.0
Industry	Textile	Drafted on	15/12/14
Industry Sub-sector	Spinning	Last reviewed on	25/02/15
Occupation	Spinning	Next review date	01/03/16



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

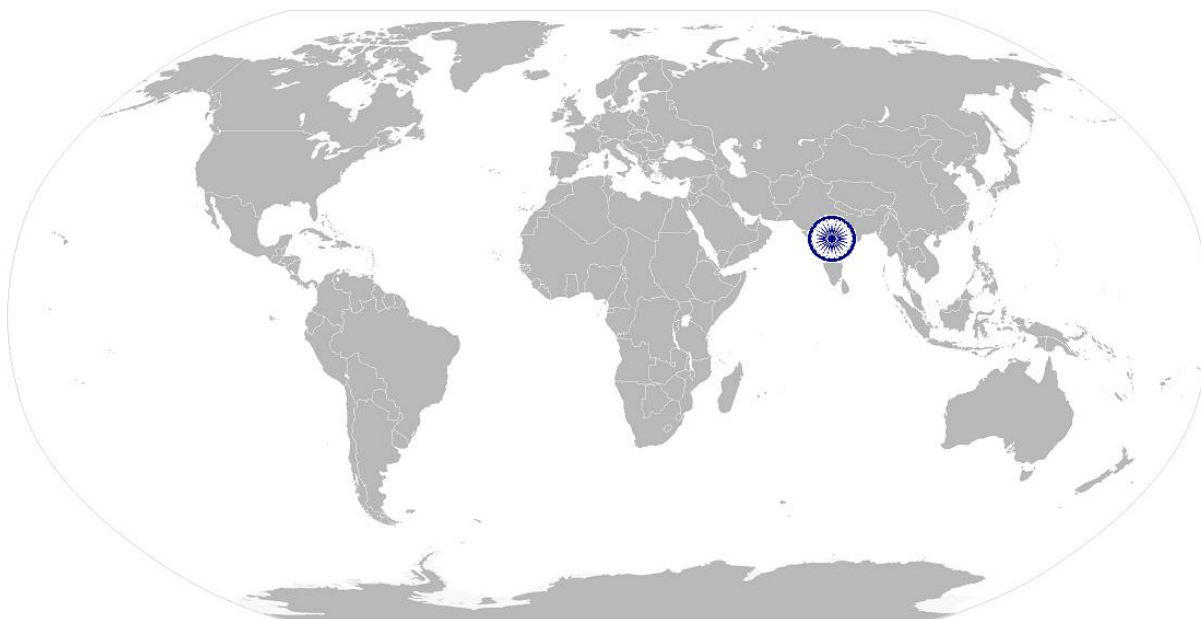
Comply with industry and organizational requirements

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	This unit/task covers the following: <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	To be competent, you must be able to: PC1. perform own duties effectively PC2. take responsibility for own actions PC3. be accountable towards the job role and assigned duties PC4. take initiative and innovate the existing methods PC5. focus on self-learning and improvement
	Team work	PC6. co-ordinate with all the team members and colleagues PC7. communicate politely PC8. avoid conflicts and miscommunication
	Organizational standards	PC9. know the organisational standards PC10. implement them in your performance PC11. motivate others to follow them
	Industry standards	PC12. know the industry standards PC13. align them with organisation standards
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. reporting to the supervisor or higher authority KA3. knowledge of organization standards KA4. knowledge of industry standards	
B. Technical Knowledge	You need to know and understand: KB1. process and material flow in a textile mill KB2. importance of complying with the standards KB3. guidelines for cleaning the various parts of machine	
Skills (S)		
A. Core Skills/ Generic Skills	Writing Skills	
	You need to know and understand how to: SA1. write clear and short sentences	

TSC/ N9004

Comply with industry and organizational requirements

	Reading Skills
	You need to know and understand how to: SA2. read the given instructions SA3. comprehend written instructions
	Oral Communication (Listening and Speaking skills)
	SA4. talk effectively with others SA5. put forward your point SA6. listen to others
B. Technical skills	you need to know and understand : SC1. Organizational requirements SC2. your responsibilities at the workplace SC3. procedure to comply with the industry standards

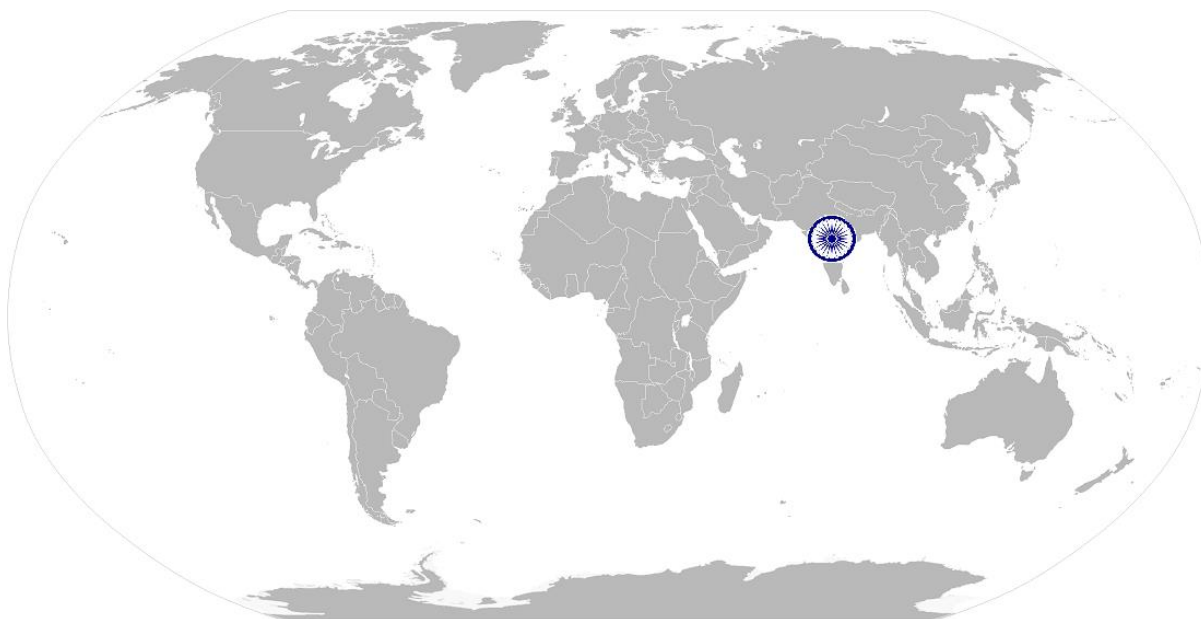


TSC/ N9004

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	15/12/14
Industry Sub-sector	Spinning	Last reviewed on	25/02/15
Occupation	Spinning	Next review date	01/03/16



Assessment criteria

Job Role: Open End Spinning Tenter
Qualification Pack: Open End Spinning Tenter (TSC/ Q0203)
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/N0209(Taking charge of shift and handing over shift to operator)	PC1.Come at least 10 - 15 minutes earlier to the work spot	100	3	1	1	1
	Pc2. Bring the necessary operational tools to the department		4	1	2	1
	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.		5	2	1	2
	PC4.Understand the count produced, color coding, followed in the open end spinning s for his allocated number of spindles or machines		5	2	1	2
	PC5. Ensure the technical		4	2	1	1

Assessment criteria

	details are mentioned in the display board in the open end spinning machine					
	PC6. Check for the availability of the carded or drawing sliver for creeling		4	1	2	1
	PC7. Check the availability of sliver cans with technical details mentioned regarding the hank / count being produced		3	1	1	1
	PC8. Check the yarn passage and OE yarn formation is proper		4	1	2	1
	PC9. CHECK for the run outs , availability of sliver cans ensure all the rotors and drums are working properly, if not should be enquired for the reason for idling and report to the superiors regarding the same		3	1	1	1
	PC10. Check the condition of different running rotors and winding drums		4	1	2	1
	PC11. Ensure proper functioning of OE machine parts and machine		3	1	1	1
	PC12. Ensure all allocated drums / rotors are running with uniform length of yarn is wound on cone, variations if any should be discussed with operator and reported to superiors		4	1	2	1
	PC13. Check the condition of running winding drums, damages		4	1	2	1

Assessment criteria

	if any should be reported					
	PC14. Check the cleanliness of the machines & other work areas		3	1	1	1
	PC15. Check whether any spare/raw material/ tool / yarn / any other material are thrown under the machines or in the other work areas.		3	1	1	1
	PC16. Ensure the wastes collection boxes are empty while taking charge of shift		4	1	2	1
	PC17. Ensure the work spot is clean		3	1	1	1
	PC18. Ensure the OHTC is working properly		3	1	1	1
	PC19. 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		4	1	2	1
	PC20. Hand over the shift to the incoming OE tender in a proper manner		4	1	1	2
	PC21. Ensure in providing the details regarding count produced, color coding followed in the OE for his allocated number of spindles or machines		3	1	1	1
	PC22. Provide all relevant information regarding the count produced, idle drums, damaged machine parts if any		3	1	1	1

Assessment criteria

	PC23. Get clearance from the incoming counterpart before leaving the work spot		3	1	1	1
	PC24. 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		5	2	1	2
	PC25. Ensure the shift has to be properly handed over to the incoming shift operator		3	1	1	1
	PC26. 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		3	1	1	1
	PC27. Collect the wastes from waste collection bags, weigh them and transport to storage area		3	1	1	1
	PC28. Ensure the work spot is clean		3	1	1	1
	Total		100	32	36	32
	Weight age %		100%	32%	36%	32%
2. TSC/N 0210 (Creeling and piecing activities)	PC1. Understanding the mixings, hanks and the color codification used	150	4	1	2	1
	PC2. Bring the sliver cans from storage area		3	1	1	1
	PC3. Ensure correct color coded sliver cans are taken to OE section for creeling		3	1	1	1

Assessment criteria

PC4. Identify sliver exhausts and removing the empty sliver cans	4	1	2	1
PC5. Ensure minimum time is taken for attending the sliver exhaust or can change	4	1	2	1
PC6. Ensure the correct hank of slivers cans are taken for creeling to OE department	4	1	2	1
PC7. Follow proper color coding of sliver cans	3	1	1	1
PC8. Creel the required number of cans in an organized manner	4	1	2	1
PC9. Ensure proper feeding of sliver into the rotors	4	1	2	1
PC10. Feed the slivers to the rotors	5	2	2	1
PC11. Ensure the slivers are passed through rotors and yarns are taken out through guides and stop motions	4	1	2	1
PC12. Ensure proper material handling of slivers and sliver cans	3	1	1	1
PC13. Patrol in the OE machine work area and identify the sliver breakage by viewing in the signal lamps provided at each rotors	4	1	2	1
PC14. Identify the reason for stoppage	3	1	1	1
PC15. Ensure minimum time is taken for attending the breakage	4	1	2	1
PC16. Ensure the slivers cans are properly and uniformly placed in the creel zone and proper	3	1	1	1

Assessment criteria

	distance to avoid mix up					
	PC17. Ensure that the sliver passes to through the rotors without affecting the quality of sliver		4	1	2	1
	PC18. Ensure proper length of sliver is available from sliver can to rotor tip		4	1	2	1
	PC19. Feed the sliver end to the rotor		4	1	2	1
	PC20. Piece the sliver between cans in the event of sliver exhaust in sliver can and replacement with a full sliver can		5	2	2	1
	PC21. Ensure standard procedure is adopted for feeding the sliver in rotors standards		4	1	2	1
	PC22. Ensure minimum time is taken for piecing the sliver		3	1	1	1
	PC23. Keep the sliver waste in the respective waste collection box		3	1	1	1
	PC24. Segregate the reusable wastes and weigh and record them in a register		4	1	2	1
	PC25. Ensure safety and cleanliness at work place		4	1	2	1
	PC26. Patrol around the machine to ensure proper production of OE yarn		3	1	1	1
	PC27. Ensure minimum time is taken for attending the breaks		3	1	1	1
	PC28. Feed the sliver in the rotors		4	1	2	1

Assessment criteria

PC29. Take the cheese package and identify defects if any	4	1	2	1
PC30. Remove defects in the cheese package if any	4	1	2	1
PC31. Lift the cheese package from the winding drum	3	1	1	1
PC32. Unwind the broken yarn end from the cheese to the rotor section and start new yarn formation	4	1	2	1
PC33. Ensure the yarn is formed with required twist	3	1	1	1
PC34. Ensure proper material handling of sliver, cheese and yarn	4	1	2	1
PC35. To ensure proper procedure for piecing the yarn	4	1	2	1
PC36. While processing knotless yarn broken ends to be overlapped on the cone/cheese as instructed	4	1	2	1
PC37. Ensure proper material handling of cheese and cone package	3	1	1	1
PC38. Ensure proper yarn passage & tension variator position post knotting	3	1	1	1
PC39. Ensure proper procedure for operating material handing tools and piecing equipments	3	1	1	1
PC40. Ensure safety while carrying out creeling and piecing activities	4	1	2	1
PC41. Ensure cleanliness at work place	3	1	1	1
Total	150	43	66	41

Assessment criteria

	Weight age %	150.0	28.7	44.0	27.3	
3. TSC/N 0211 Carryout doffing activities)	PC1. Follow the plan as instructed by superior for performing doffing activities at various machines in OE department	100	5	1	1	3
	PC2. Identify which machine is ready for doffing		5	2	2	1
	PC3. Ensure minimum time is taken for identifying the machine to carryout doffing activity		4	1	2	1
	PC4. Ensure in confirming the machine with the superiors for carrying out doffing activity		4	1	2	1
	PC5. Check the cheese package is fully would to the predetermined length or weight and start doffing		4	1	2	1
	PC6. Remove full cheese package from cone holder		6	2	3	1
	PC7. Keep doffed cheese package in the peg trolley		5	1	3	1
	PC8. Either stop the machine for doffing or doff the cone package while the machine is running as per the instructions of the supervisor		6	2	3	1
	PC9. Ensure proper procedure is adopted for doffing the cheese package		5	2	2	1

Assessment criteria

PC10. Ensure proper material handling of cheese package	4	1	2	1
PC11. Ensure safety while carrying out doffing activity	5	2	2	1
PC12. Weigh the cheese package and ensure the required weight have been achieved	4	1	2	1
PC13. Fix the cheese in the cheese holder and run it again till the cheese reaches the predetermined weight as instructed by superiors	5	2	2	1
PC14. Place the cheese in the cheese trolley and store in the storage area as instructed	4	1	2	1
PC15. To reserve the empty paper cheese in the reserve area for doffing	4	1	2	1
PC16. After doffing insert the empty cheese	5	1	3	1
PC17. Ensure strictly proper color coded empty paper cone is mounted in holder	4	1	2	1
PC18. Count change and do the necessary changes and follow the instructions of the superiors	5	2	2	1
PC19. Ensure the proper passage of yarn in OE machine	5	2	2	1
PC20. Ensure all the rotors are running and piece the ends after machine is restarted	6	2	3	1
PC21. Remove all the wastes and store it count wise in the waste	5	2	2	1

Assessment criteria

	collection box					
	Total		100	31	46	23
	Weight age %		100	31	46	23
4. TSC/N 0212 Carryout cleaning and maintenance activities)	PC1. Schedule the cleaning and maintenance activities	100	4	1	1	2
	PC2. Carry out cleaning and maintenance activities		4	1	2	1
	PC3. Clean the creeling area		3	1	1	1
	PC4. Ensure cleanliness in the yarn passage		3	1	1	1
	PC5. Clean the rotor at regular intervals		3	1	1	1
	PC6. Failure of stop motion, breakdown should be reported to superiors immediately		3	1	1	1
	PC7. Ensure proper cleaning of different mechanisms in OE machine		3	1	1	1
	PC8. Deposit the sliver wastes yarn waste in the waste collection pocket provided to each tenter and finally depositing in the waste collection box		3	1	1	1
	PC9. Remove the cleaned wastes and store in separate area		4	1	2	1
	PC10. Clean the alley around the OE machine using proper cleaning equipments		3	1	1	1
	PC11. Ensure the wastes collected from different parts of machine are deposited in the respective dustbins		4	1	2	1

Assessment criteria

PC12. Ensure the OE department is neat and clean	3	1	1	1
PC13. Ensure proper functioning of machine	4	1	2	1
PC14. Check and verify the quality of different machine parts	3	1	1	1
PC15. Ensure taking care of yarn passage, rotors, guides, winding drums	4	1	2	1
PC16. Support fitter in removing the worn out parts and replace with new parts in OE machine	4	1	2	1
PC17. Oil the different parts of OE machine on need basis	3	1	1	1
PC18. Check OHTC air blowing	2	1	1	0
PC19. Check bottom apron ,top apron, spacer	3	1	1	1
PC20. Notice damaged bobbins and refuse	3	1	1	1
PC21. Report to the supervisor and maintenance fitter if any problems noticed in smooth functioning of machine	4	1	2	1
PC22. Ensure the OHTC is working.	2	1	1	0
PC23. Carry out preventive maintenance activities at the specified intervals	3	1	1	1
PC24. When there is any count change check the count board, cheese color, cone tip color end other given instructions	4	1	2	1
PC25. Record the production details in the production report	3	1	1	1

Assessment criteria

	PC26. Report to the supervisor in case of emergency stoppage of machine		4	1	1	2
	PC27. Report to the supervisor and maintenance in charge if the operator was able to replace the worn out machine part with a new one.		4	1	1	2
	PC28. Support the maintenance team while machine is under maintenance		3	1	1	1
	PC29. Ensure all details related to production are provided the next shift operator while relieving		4	1	2	1
	PC30. ensure count wise storage of damaged cheese in a separate area		3	1	1	1
	Total		100	30	39	31
	Weight age %		100	30	39	31
5.TSC/N9001 (Maintaining work area, tools and machines)	PC1. handle materials, machinery, equipment and tools with care and use them in the correct way	50	4	1	2	1
	PC2. use correct lifting and handling procedures		4	1	2	1
	PC3. use materials to minimize waste		3	1	1	1
	PC4. maintain a clean and hazard free working area		3	1	1	1
	PC5. maintain tools and equipment		4	2	1	1
	PC6. carry out running maintenance within agreed schedules		4	1	2	1

Assessment criteria

	PC7. carry out maintenance and/or cleaning within one's responsibility		4	1	2	1
	PC8. report unsafe equipment and other dangerous occurrences		4	1	2	1
	PC9. ensure that the correct machine guards are in place		3	1	1	1
	PC10. work in a comfortable position with the correct posture		3	1	1	1
	PC11. use cleaning equipment and methods appropriate for the work to be carried out		3	1	1	1
	PC12. dispose of waste safely in the designated location		4	1	2	1
	PC13. store cleaning equipment safely after use		3	1	1	1
	PC14. carry out cleaning according to schedules and limits of responsibility		4	1	2	1
	Total		50	15	21	14
	Weight age %		50	30	42	28
6.TSC/N9002 (Working in a team)	PC1. be accountable to the own role in whole process	50	4	2	1	1
	PC2. perform all roles with full responsibility		5	2	1	2
	PC3. be effective and efficient at workplace		4	1	2	1
	PC4. properly communicate about		4	1	1	2

Assessment criteria

	company policies					
	PC5. report all problems faced during the process	4	1	1	2	
	PC6. talk politely with other team members and colleagues	4	1	1	2	
	PC7. submit daily report of own performance	5	2	2	1	
	PC8. adjust in different work situations	4	2	1	1	
	PC9. give due importance to others' point of view	4	1	2	1	
	PC10. avoid conflicting situations	4	1	1	2	
	PC11. develop new ideas for work procedures	4	1	2	1	
	PC12. improve upon the existing techniques to increase process efficiency	4	1	2	1	
	Total	50	16	17	17	
	Weight age %	50	32	34	34	
7.TSC/N9003 (Maintain health, safety and security at work place)	PC1. comply with health and safety related instructions applicable to the workplace	5	2	2	1	
	PC2. use and maintain personal protective equipment such as " ear plug" " nose mask " " head cap" etc., as per protocol	5	2	2	1	
	PC3. carry out own activities in line with approved guidelines and procedures	4	2	1	1	
	PC4. maintain a healthy	4	2	1	1	
		100				

Assessment criteria

	lifestyle and guard against dependency on intoxicants					
	PC5. follow environment management system related procedures		4	2	1	1
	PC6. identify and correct (if possible) malfunctions in machinery and equipment		5	2	2	1
	PC7. report any service malfunctions that cannot be rectified		4	2	1	1
	PC8. store materials and equipment in line with organizational requirements		4	1	2	1
	PC9. safely handle and remove waste		4	1	2	1
	PC10. minimize health and safety risks to self and others due to own actions		5	2	2	1
	PC11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks		4	2	0	2
	PC12. monitor the workplace and work processes for potential risks and threat		5	2	2	1
	PC13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		5	2	2	1
	PC14. report hazards and potential risks/ threats to supervisors or other authorized personnel		4	1	2	1
	PC15. participate in mock drills/ evacuation procedures organized at the workplace		4	2	2	0

Assessment criteria

	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		5	2	2	1
	PC18. follow organization procedures for shutdown and evacuation when required		4	2	1	1
	PC19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry		4	2	1	1
	PC20. recognize other possible security issues existing in the workplace		4	2	1	1
	PC21. recognize different measures to curb the hazards		4	2	1	1
	PC22. communicate the safety plan to everyone		4	2	1	1
	PC23. attach disciplinary rules with the implementation		4	2	1	1
	Total		100	43	34	23
	Weight age %		100	43	34	23
8.TSC/N9004 (Comply with industry and organizational requirements)	PC1. perform own duties effectively	50	4	1	2	1
	PC2. take responsibility for own actions		4	1	2	1
	PC3. be accountable towards the job role and assigned duties		4	2	1	1
	PC4. take initiative and innovate the existing methods		3	1	1	1
	PC5. focus on self-learning and improvement		4	1	2	1

Assessment criteria

	PC6. co-ordinate with all the team members and colleagues		4	1	2	1
	PC7. communicate politely		4	1	1	2
	PC8. avoid conflicts and miscommunication		4	1	2	1
	PC9. know the organizational standards		4	2	1	1
	PC10. implement them in your performance		4	1	2	1
	PC11. motivate others to follow them		3	1	1	1
	PC12. know the industry standards		4	3	1	0
	PC13. align them with organization standards		4	2	1	1
	Total		50	18	19	13
	Weihtage %			36	38	26
Grand total			800			