

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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**Sector:** TEXTILE

**SUB-SECTOR:** SPINNING

**OCCUPATION: SPINNING PREPARATORY**

**REFERENCE ID: TSC/Q 0104**

**ALIGNED TO: NCO-2004 / 7431.46**

**Brief Job Description:** A combing operator is responsible to carry out tenting activities in the comber machine. He should be able to operate the comber, ensure proper feeding of laps, piece the comber lap and sliver on breakage, doff the sliver cans and transport the delivery cans to the storage area

**Personal Attributes:** 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 all the machines in blowroom department

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**Introduction**

**Qualifications Pack – Combing Operator**

**Sector: Information technology- INFORMATION TECHNOLOGY enabled SERVICES (IT-ITeS)ces Helpdesk Attendant**

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| --- | --- | --- | --- | --- |
| Job Details | **Qualifications Pack Code** | **TSC/Q0104** | | |
| **Job Role** | **Combing Operator** | | |
| **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 Preparatory** | **Next review date** | **01/03/16** |

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| **Job Role** | **Combing Operator** |
| **Role Description** | A combing operator is responsible to carry out tenting activities in the combing machine. |
| **NSQF level**  **Minimum Educational Qualifications**  **Maximum Educational Qualifications** | 4 |
| 5th standard, preferably  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)** | **Compulsory:**   1. [TSC/ N0110 Taking charge of shift and handing over shift to operator](#_TSC/_N1201) 2. [TSC/ N0111 Operating the combing machine](#_TSC/_N1202) 3. [TSC/ N0112 Carryout creeling, piecing and doffing activities](#_This_unit_is) 4. [TSC/ N9001 Maintain work area,tools and machines](#_Overview) 5. [TSC/ N9002 Working in a team](#_This_unit_is_3) 6. [TSC/ N9003 Maintain health, safety and security at workplace](#_This_unit_is_4) 7. [TSC/ N9004 Comply with industry and organizational requirement](#_This_unit_is_5)   **Optional:** |
| **Performance Criteria** | As described in the relevant OS units |

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| Definitions | **Keywords /Terms** | **Description** |
| Sector | Sector is a conglomeration of different business operations having similar businesses and interests. It may also be defined asa 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. |
| **Acronyms** | **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 |

**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**

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| **Unit Code**  National Occupational Standard | TSC/ N0110 |
| **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:**   * To take charge of shift from previous shift operator * To hand over the shift to next shift operator |
| **Elements** | **Performance Criteria** |
| Taking charge of shift | To be competent ,you must be able to:   1. come atleast 10 - 15 minutes earlier to the work spot 2. bring the necessary operational tools to the department 3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality or production or spare or safety or any other specific instruction etc. 4. understand the hank produced, colour coding, followed in the combing department for his allocated number of machines 5. ensure the technical details are mentioned in the display board in the comber 6. check for the availability of the comber laps and spools in storage area 7. ensure all the machines are running properly, machines which are not running and problems if any should be clarified with the supervisor and operator 8. ensure proper functioning of combing machine parts 9. check the cleanliness of the machines & other work areas 10. check whether any spare/raw material/ tool / yarn / any other material are thrown under the machines or in the other work areas. 11. should 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. 12. ensure the wastes collection boxes are empty while taking charge of shift 13. ensure the work spot is clean 14. ensure carding can randomization |
| Handing over shift | 1. hand over the shift to the incoming shift operator in a proper manner 2. ensure in providing the details regarding hank produced, colour coding followed in the combing department for his allocated number of machines 3. provide all relevant information regarding the hank produced, damaged machine parts if any 4. get clearance from the incoming counterpart before leaving the work spot 5. 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 6. ensure the shift has to be properly handed over to the incoming shift operator 7. 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 8. collect the wastes from waste collection bags, weigh them and transport to storage area 9. Ensure the work spot is clean |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | You need to know and understand:   1. general rules and regulations in a textile mill 2. safe working practices to be adopted in textile mill 3. quality systems and other processes practiced in the textile mill 4. reporting to the supervisor or higher authority in case of emergency 5. color coding adopted for different hanks in the textile mill |
| 1. **Technical Knowledge** | You need to know and understand:   1. understand the importance of  * types of fibres * types of sliver * sliver hank, * sliver defects * comber lap defects  1. process flow in a textile mill 2. material flow in a textile mill 3. importance of combing and combing machine 4. functions of different parts of comber 5. importance of colour coding followed for different hanks 6. guidelines for operating the comber machine 7. understanding the functions of different signal lamps 8. guidelines for taking charge of shift from previous shift operator 9. guidelines for handing over the shift to the next shift operator 10. importance of material handling and types of material handling equipments used equipments 11. functions and methodology for operating different material handling tools 12. knowledge of waste collection system &equipments used 13. importance of cleanliness at workplace 14. safety procedures to be followed |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in basic language |
| **Reading Skills** |
| You need to know and understand how to:   1. comprehend written instructions |
| **Oral Communication (Listening and Speaking skills)** |
| You need to know and understand how to:   1. communicate with supervisor appropriately 2. talk to others to convey information effectively |
| 1. **Professional Skills** | **Problem Solving** |
| 1. You need to know and understand how to: 2. apply problem-solving approaches in different situations 3. refer anomalies to the supervisor 4. seek clarification on problems from others |
| **Attention to Detail** |
| You need to know and understand how to:   1. apply good attention to detail 2. check your work is complete and free from errors |
| 1. **Technical Skills** | You need to know and understand how to:   1. procedure to patrol around the combing machine 2. procedure to operate the different mechanisms in comber 3. procedure for patrolling around the combing department and identifying worn out or damaged machine parts 4. procedure to check the quality of sliver, comber lap and proper functioning of machine parts in combing machine 5. procedure for operating different material handling tools and equipments 6. maintain neatness at work |

**NOS Version Control**

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| **NOS Code** | **TSC/ N0110** | | |
| **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 Preparatory** | **Next review date** | **01/03/16** |

**National Occupational Standard**

**Overview**

**This unit is about carrying out procedure for operating the comber machine**

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| **Unit Code**  National Occupational Standard | TSC/ N0111 |
| **Unit Title**  **(Task)** | Operating the combing machine |
| **Description** | This unit is about carrying out procedure for operating the combing machine and carrying out cleaning and maintenance activities in comber |
| Scope | **This unit/task covers the following:**   * To operate the comber machine and ensure proper functioning of comber * To carryout cleaning maintenance activities * To carryout maintenance activities * To ensure about other tenting responsiblities |
| **Elements** | **Performance Criteria** |
| Operating the machine | To be competent you must be able to:   1. make sure that necessary changes and tests are carried out and follow the instructions of the superiors before running the machine 2. operate the control switches for starting and stopping the machine 3. follow the different signal lamps in machine 4. identify the mixing by looking at the hank board affixed on the machine 5. sliver display monitor should be always on while the machine is working 6. ensure proper functioning of comber by verifying in the display panel 7. check whether the comber lap is properly fed 8. replenish the laps with minimum waste 9. remove the roller lapping without damaging cots 10. draw the cotton web to the delivery zone 11. piece the sliver during breakage 12. doff the full comber sliver can 13. view the display panel and identify the reasons for machine stoppages if any 14. ensure the machine is running in the set speed by viewing the display panel 15. ensure the working area is clean |
| Carryout cleaning activities | 1. ensure surface of the comber lap fed is free from defects / damages 2. ensure the sliver produced is free from surface damages 3. clean the can castors before putting the cans to the comber 4. ensure the sliver cans are clean before feeding in the doffing zone 5. to segregate the wastes collected and deposit at the respective waste bins 6. remove the defect in slivers 7. support the mechanic while carryout cleaning maintenance activities 8. use proper tools for cleaning 9. ensure the comber table is clean and clean at regular intervals 10. carryout cleaning activities in creeling zone, drafting zone, and delivery zone 11. ensure that the nipper, half lap, top comb, drafting zone, table, calendaring zone, trumphet, coilers etc. are clean 12. collect the noils in the comber machine at the specified intervals 13. clean the comber once a shift and remove cotton sticking if any 14. clean the wastes around the machine 15. deposit the lap / sliver waste mixing wise in the containers provided near the machine 16. ensure safety while carrying out cleaning 17. ensuring the wastes collected are deposited in the respective hank wise waste box 18. ensure combing area is clean |
| Carryout maintenance activities | 1. support the fitter for carrying out maintenance activities 2. ensure the draft variation on cv% is within the limits and if it’s abnormal report it to superiors. 3. ensure the noils are removed as per the set limits, if abnormal should be reported to the superiors 4. attend roller lapping, chocking of lap, sliver and ensure minimum waste 5. carry out wheel changes/ hank changes as per supervisor's instructions 6. ensure roller lapping doesn’t happen frequently 7. ensure the rollers are dry enough to avoid lapping 8. ensure the top comb is clean 9. ensure the surface of the comber table is smooth 10. release the pressure on top rollers of the drafting zone when the machine is to be stopped for longer duration 11. ensure the noil sortiment position in panel board is as per the direction of supervisors 12. inform superiors immediately if the sliver monitors alarm rings in the machine. 13. inform the supervisor and maintenance in charge in case of a jam 14. report to the superiors and support him for carrying out maintenance activities ,in case of any break-downs, 15. support the fitter during minor breakdown |
| Material handling and safety at workplace | 1. ensure proper material handling of spool, comber lap, sliver, sliver can and empty can 2. ensure using proper material handling of tools and equipments 3. ensure safety while operating the comber 4. use the safety gadgets like caps, masks and shoes and verifying the safety stop motions |
| Other tenting responsibilities | 1. ensure the sliver produced is free from outside damages 2. Inform superiors immediately, if any break down or fault in the machine is noticed 3. ensure the proper functioning of signal lamps 4. ensure that machine is working properly, if any deviations inform superiors immediately 5. collect the reusable wastes and weigh them at shift end and place them in specified area 6. provide all relevant information’s of the current working process to the next shift operator before relieving. |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | You need to know and understand:   1. general rules and regulations in a textile mill 2. safe working practices to be adopted in textile mill 3. quality systems and other processes practiced in the textile mill 4. reporting to the supervisor or higher authority in case of emergency 5. color coding adopted for different hanks in the textile mill |
| 1. **Technical Knowledge** | You need to know and understand:   1. process and material flow in a textile mill 2. understanding the importance of fibres, types of yarn, , types of sliver, sliver hank, importance of sliver and roving quality 3. importance of combing process 4. importance of combing and sliver formation 5. functions of various parts in a comber machine 6. importance & functions of different signal lamps 7. different control buttons used in comber 8. knowledge of different functions in display panel and procedure to operate the comber machine 9. types of wastes and procedure for collecting and segregating wastes 10. guidelines for operating the material handling tools and equipments 11. importance of cleanliness at work place 12. guidelines for carrying out cleaning activities 13. guidelines for carrying out maintenance activities 14. importance of color coding 15. importance of material handling 16. types of material handling equipments used 17. functions and methodology for operating different material handling equipments 18. importance of safety at workplace 19. safety gadgets used in a textile mill |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in basic language |
| **Reading Skills** |
| You need to know and understand how to:   1. comprehend written instructions |
| **Oral Communication (Listening and Speaking skills)** |
| You need to know and understand how to:   1. Communicate with supervisor appropriately 2. talk to others to convey information effectively |
| 1. **Professional Skills** | **Problem Solving** |
| You need to know and understand how to:   1. apply problem-solving approaches in different situations 2. refer anomalies to the supervisor 3. seek clarification on problems from others |
| **Attention to Detail** |
| You need to know and understand how to:   1. apply good attention to detail 2. check your work is complete and free from errors |
| 1. **Technical Skills** | You need to know and understand :   1. Procedure to identify and remove the defects in comber lap and sliver 2. Procedure for cleaning the wastes and waste segregation 3. Procedure to remove roller lappings 4. Procedure to carryout cleaning activities 5. Procedure for cleaning mechanisms of the creel zone, drafting zone and delivery zone 6. Procedure to carryout basic maintenance activities 7. Maintain cleanliness at work place |

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| **NOS Code** | **TSC/ N0111** | | |
| **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 Preparatory** | **Next review date** | **01/03/16** |

**National Occupational Standard**

**Overview**

# This unit is about carrying out creeling, piecing and doffing activities in combing machine.

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| **Unit Code** | **TSC/ N1203** |
| **Unit Title**  **(Task)** | Carryout creeling, piecing and doffing activities |
| **Description** | This unit is about carrying out tenting, cleaning and maintenance activities in comber machine |
| Scope | **This unit/task covers the following:**   * Creeling the sliver * Attending the machine on stoppage * To Piecing and drawing the comber sliver * Piecing the sliver on breakage at delivery zone * To carryout doffing activity |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **Performance Criteria** |
| Creeling the sliver | To be competent,you must be able to:   1. understand the mixings, hanks and the colour codification used 2. ensure the correct hank of comber laps trolleys are taken for creeling 3. follow proper colour coding of comber laps 4. creel the required number of cans and drawing the sliver forward 5. ensure proper creeling procedure is followed for creeling the comber laps 6. ensure the laps are passed through all guide rollers, comber table and stop motions 7. ensure proper material handling of spool and comber laps |
| Attending the machine on stoppage | 1. identity whether the machine stoppage by viewing the signal lamps and in display panel 2. identify the reasons for machine stoppage 3. ensure minimum time is taken for attending the roller lapping, comber web breakage and sliver breakage |
| Piecing and drawing the comber sliver | 1. ensure minimum time is taken for attending the breakage at creel zone 2. identify the reason for breakage is due to roller lappings, comber web breakage or due to comber lap exhaust 3. ensure proper procedure is followed for creeling the comber lap 4. ensure the comber lap is properly combed by comber 5. ensure the thickness of comber web produced is uniform 6. draw the comber web through the comber head and trumphet for sliver formation 7. ensure proper length of sliver is available for drawing in the comber table 8. ensure all the sliver are uniformly drawn through comber table to the calendaring zone 9. ensure standard piecing procedure is adopted and quality of piecing is as per standards 10. ensure all the sliver are uniformly calendared and drafted in drafting zone 11. ensure minimum time is taken for drawing the sliver 12. ensure the sliver passes to the coiler zone uniformly 13. collect the wastes collected and store in the respective waste bins hank wise 14. keep the sliver waste in the waste collection pocket provided to each tenter and then put in the waste in waste collection box |
| Piecing the sliver on breakage at delivery zone | 1. open the calendaring zone 2. collect and condense through the calendaring rollers and trumphetfor sliver formation 3. ensure proper procedure is followed 4. draw the sliver through the conveyor rollers and pass it through the coiler rollers in delivery zone into the sliver can 5. ensure proper functioning of machine post piecing 6. collect the wastes collected during piecing and store the waste at respective waste box 7. segregate the reusable wastes and weigh and record them in a register 8. transfer the reusable wastes toblowroom/ storage area 9. ensure standard piecing procedure is adopted and quality of piecing is as per standards 10. verify the quality of piecing done in the sliver 11. ensure minimum time is taken for piecing the sliver 12. ensure safety while carrying out piecing activity |
| Carrying out doffing | 1. collect the empty cans from drawing or carding department for feeding the empty cans 2. keep the can castors clean before feeding 3. To ensure whether the sliver can is ready for doffing by viewing the details in display panel 4. Keep the required number of empty cans near doff zone for automatic can change 5. keep the empty sliver can near the doffing machine in manual doffing 6. doff the full sliver can in case of manual doffing |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | You need to know and understand:   1. general rules and regulations in a textile mill 2. safe working practices to be adopted in textile mill 3. quality systems and other processes practiced in the textile mill 4. reporting to the supervisor or higher authority in case of emergency 5. color coding adopted for different hanks in the textile mill |
| 1. **Technical Knowledge** | You need to know and understand:   1. Process flow and material flow in textile mill 2. Functions of comber machine 3. Functions of control switches and signal lamps 4. Importance of creeling, 5. Importance of piecing 6. Importance of doffing 7. Importance of colour coding 8. Importance of sliver quality 9. Guidelines for creeling the comber lap 10. Guidelines for drawing the comber web in comber table and sliver formation 11. Guidelines for drawing sliver through calendaring 12. Guidelines and precautions for piecing the sliver 13. Guidelines and precautions for carrying out doffing activity 14. Knowledge of different functions in display panel and procedure to operate the machine 15. Importance of time management 16. Importance of material handling 17. Guidelines for material handling of various tools and equipments 18. Types of wastes and importance of collecting waste 19. Importance of cleanliness and safety at work place |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in basic language |
| **Reading Skills** |
| You need to know and understand how to:   1. read and comprehend written instructions |
| **Oral Communication (Listening and Speaking skills)** |
| You need to know and understand how to:   1. Communicate with supervisor appropriately 2. talk to others to convey information effectively |
| 1. **Professional Skills** | **Problem Solving** |
| You need to know and understand how to:   1. apply problem-solving approaches in different situations 2. refer anomalies to the supervisor 3. seek clarification on problems from others |
| **Attention to Detail** |
| You need to know and understand how to:   1. apply good attention to detail 2. check your work is complete and free from errors |
| 1. **Technical Skills** | You need to know and understand :   1. Procedure for creeling the comber lap 2. Procedure for drawing the comber web for sliver formation 3. Procedure for drawing the combed sliver in comber table 4. Procedure for condensing the sliver and feeding to coiler unit and delivery zone for sliver formation 5. Standard operating procedure for carrying out creeling activity 6. Standard operating procedure for carrying out piecing activity 7. Standard operating procedure for carrying out doffing activity 8. Procedure for segregating the different types of cotton wastes 9. Procedure for storing reusable wastes and weighing them 10. Procedure for material handling of spool, comber lap, sliver, sliver can 11. Maintain cleanliness at work |

**NOS Version Control**

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| **NOS Code** | **TSC/ N0112** | | |
| **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 Preparatory** | **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.**

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| --- | --- |
| **Unit Code**  National Occupational Standard | **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**   * Proper maintaining of work area and activities |
| **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:   1. handle materials, machinery, equipment and tools with care and use them in the correct way 2. use correct lifting and handling procedures 3. use materials to minimize waste 4. maintain a clean and hazard free working area 5. maintain tools and equipment 6. carry out running maintenance within agreed schedules 7. carry out maintenance and/or cleaning within one’s responsibility 8. report unsafe equipment and other dangerous occurrences 9. ensure that the correct machine guards are in place 10. work in a comfortable position with the correct posture 11. use cleaning equipment and methods appropriate for the work to be carried out 12. dispose of waste safely in the designated location 13. store cleaning equipment safely after use 14. carry out cleaning according to schedules and limits of responsibility |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | You need to know and understand:   1. personal hygiene and duty of care 2. safe working practices and organisational procedures 3. limits of your own responsibility 4. ways of resolving with problems within the work area 5. the production process and the specific work activities that relate to the whole process 6. the importance of effective communication with supervisors 7. the lines of communication, authority and reporting procedures 8. the organisation’s rules, codes and guidelines (including timekeeping) 9. the company’s quality standards 10. the importance of complying with written instructions 11. equipment operating procedures / supervisor’s instructions |
| 1. **Technical Knowledge** | You need to know and understand:   1. relation between work role and the overall manufacturing process 2. hazards likely to be encountered when conducting routine maintenance 3. the importance of taking action when problems are identified 4. different ways of minimising waste 5. the importance of running maintenance and regular cleaning 6. effects of contamination on products i.e. machine oil, dirt, foreign materials 7. common faults with equipment and the method to rectify 8. maintenance procedures 9. different types of cleaning equipment and substances and their use 10. safe working practices for cleaning and the method of carrying them out |

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| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Reading Skills** |
| You need to know and understand how to:   1. comprehend written instructions 2. read any application sent by other colleagues |
| **Oral Communication (Listening and Speaking skills)** |
| You need to know and understand how to:   1. Comphrende written instructions |
| 1. **Professional Skills** | **Problem Solving** |
| You need to know and understand how to:   1. identify the real reason of problem faced 2. apply problem-solving approaches in different situations 3. refer anomalies to the supervisor 4. seek clarification on problems from others |
| **Attention to Detail** |
| You need to know and understand how to:   1. apply good attention to detail 2. check your work is complete and free from errors 3. make sure every kind of communication is error free |
| 1. **Technical Skills** | You need to know and understand :   1. communicate effectively 2. apply leadership skills wherever required 3. take initiative at the right place 4. understand the requirement to be creative |

**NOS Version Control**

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| **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 Preparatory** | **Next review date** | **01/03/16** |

**National Occupational Standard**

**Overview**

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

|  |  |
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| **Unit Code** | **TSC/ N9002** |
| **Unit Title**  National Occupational Standard  **(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:**   * 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:   1. be accountable to the own role in whole process 2. perform all roles with full responsibility 3. be effective and efficient at workplace |
| Communication | 1. properly communicate about company policies 2. report all problems faced during the process 3. talk politely with other team members and colleagues 4. submit daily report of own performance |
| Adaptability | 1. adjust in different work situations 2. give due importance to others’ point of view 3. avoid conflicting situations |
| Creative freedom | 1. develop new ideas for work procedures 2. improve upon the existing techniques to increase process efficiency |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** | You need to know and understand:   1. general rules and regulations in a textile mill 2. procedure followed to get the final output in the mill 3. safe working practices to be adopted in textile mill 4. reporting to the supervisor or higher authority about any grievances faced |
| 1. **Technical Knowledge** | 1. the importance of the previous and next step of the process 2. process flow in a textile mill and the concerned workers 3. material flow in a textile mill and the required person 4. functions of different parts of the machine 5. tools and equipments used 6. guidelines for operating the machine 7. safety procedures to be followed in the machine |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. Write in basic language 2. Write daily work report 3. Write grievance complaint application |
| **Reading Skills** |
| You need to know and understand how to:   1. Read and comprehend written instructions 2. Read any application sent by other colleagues |
| **Oral Communication (Listening and Speaking skills)** |
| You need to know and understand how to:   1. Communicate with supervisor appropriately 2. Talk to co-workers to convey information effectively |
| 1. **Professional Skills** | **Problem Solving** |
| You need to know and understand how to:   1. Identify the real reason of problem faced 2. Be able to find the most effective solution to the problems faced |
| **Attention to Detail** |
| You need to know and understand how to:   1. Apply good attention to detail 2. Ensure every kind of communication is error free |
| 1. **Technical Skills** | You need to know and understand how to:   1. Communicate effectively 2. Apply leadership skills wherever required 3. Take initiative at the right place 4. Understand the requirement to be creative |

**NOS Version Control**

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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 Preparatory** | **Next review date** | **01/03/16** |

**National Occupational Standard**

**Overview**

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

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| **Unit Code**  National Occupational Standard | **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:**   * Comply with health, Safety and security requirements at work * To recognize hazards * To plan safety techniques * To implement 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:   1. comply with health and safety related instructions applicable to the workplace 2. use and maintain personal protective equipment such as “ear plug”, “ nose mask “, “ head cap” etc., as per protocol 3. carry out own activities in line with approved guidelines and procedures 4. maintain a healthy lifestyle and guard against dependency on intoxicants 5. follow environment management system related procedures 6. identify and correct (if possible) malfunctions in machinery and equipment 7. report any service malfunctions that cannot be rectified 8. store materials and equipment in line with organisational requirements 9. safely handle and remove waste 10. minimize health and safety risks to self and others due to own actions 11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks 12. monitor the workplace and work processes for potential risks and threat 13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned 14. report hazards and potential risks/ threats to supervisors or other authorized personnel 15. participate in mock drills/ evacuation procedures organized at the workplace 16. undertake first aid, fire-fighting and emergency response training, if asked to do so 17. take action based on instructions in the event of fire, emergencies or accidents 18. follow organisation procedures for shutdown and evacuation when required |
| Recognizing the hazards | To be competent, you must be able to:   1. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry 2. recognise other possible security issues existing in the workplace |
| Planning the safety techniques | 1. recognise different measures to curb the hazards |
| Implementing the programs | 1. communicate the safety plan to everyone 2. attach disciplinary rules with the implementation |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | You need to know and understand:   1. general rules and regulations in a textile mill 2. safe working practices to be adopted in textile mill 3. quality systems and other processes practiced in the textile mill 4. health and safety related practices applicable at the workplace 5. potential hazards, risks and threats based on nature of operations 6. organizational procedures for safe handling of equipment and machine operations 7. potential risks due to own actions and methods to minimize these 8. environmental management system related procedures at the workplace 9. layout of the plant and details of emergency exits, escape routes, emergency equipment and assembly points 10. potential accidents and emergencies and response to these scenarios 11. reporting protocol and documentation required 12. details of personnel trained in first aid, fire-fighting and emergency response 13. actions to take in the event of a mock drills/ evacuation procedures or actual accident, emergency or fire |
| 1. **Technical Knowledge** | You need to know and understand:   1. occupational health and safety risks and methods 2. personal protective equipment and method of use 3. identification, handling and storage of hazardous substances 4. proper disposal system for waste and by-products 5. signage related to health and safety and their meaning 6. importance of sound health, hygiene and good habits 7. ill-effects of alcohol, tobacco and drugs |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in basic language |
| **Reading Skills** |
| You need to know how to:   1. read and understand the company instructions 2. read and understand the basic language 3. read and understand the safety guidelines |
| **Oral Communication (Listening and Speaking skills)** |
| 1. listen to others attentively 2. respond to emergencies, accidents or fire at the workplace 3. evacuate the premises and help others in need while doing so 4. the value of physical fitness, personal hygiene and good habits 5. talk with others politely |
| 1. **Professional Skills** | **Decision Making** |
| 1. identify correct safety measure for particular hazard 2. make required safety plans as and when required 3. raise alarm in case of emergency |
| **Analytical Thinking** |
| 1. know the use of correct safety measure whenever required |
| **Attention to Detail** |
| 1. be attentive to details 2. be careful to avoid occurrence of hazards |
| 1. **Technical Skills** | You need to know and understand :   1. maintain neatness at work 2. procedure for reporting unwanted behavior |

**NOS Version Control**

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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 Preparatory** | **Next review date** | **01/03/16** |

**National Occupational Standard**

**Overview**

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

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| **Unit Code**  National Occupational Standard | **TSC/ N 9004** |
| **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 textle industry |
| Scope | **This unit/task covers the following:**   * focus on self development * focus on team work * know and understand organizational standards * know and understand industry standards |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **PerformanceCriteria** |
| Self- development | to be competent, you must be able to:   1. perform own duties effectively 2. take responsibility for own actions 3. be accountable towards the job role and assigned duties 4. take initiative and innovate the existing methods 5. focus on self-learning and improvement |
| Team work | 1. co-ordinate with all the team members and colleagues 2. communicate politely 3. avoid conflicts and miscommunication |
| Organisational standards | 1. know the organisational standards 2. implement them in your performance 3. motivate others to follow them |
| Industry standards | 1. know the industry standards 2. align them with organisation standards |
| **Knowledge and Understanding (K)** | |
| 1. **Organizational Context** (Knowledge of the company/ organization and its processes) | You need to know and understand:   * 1. process and material flow in a textile mill   2. importance of complying with the standards   3. guidelines for cleaning the various parts of machine |
| 1. **Technical Knowledge** | You need to know and understand:   1. process and material flow in a textile mill 2. importance of compying with the standards 3. guidelines for cleaning the various part of combing machine |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. Write reports 2. Write in basic language |
| **Reading Skills** |
| You need to know and understand how to:   1. read the basic language 2. read one more language than the basic language 3. read and comprehend the standards and rules |
| **Oral Communication (Listening and Speaking skills)** |
| You need to know and understand how to:   1. talk effectively with others 2. put forward your point 3. listen to others |
| 1. **Technical Skills** | You need to know and understand :   1. Procedure of preparing the industry standards 2. Procedure to follow the given standards 3. Procedure to comply with the standards |

**NOS Version Control**

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| **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 Preparatory** | **Next review date** | **01/03/16** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Job Role: Combing Operator Qualification Pack: Combing Operator  Sector Skill Counci: 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 each examination/training centre (as per assessment criteria below). 4. To pass the qualification pack, every trainee should achieve minimum grade 'C' (More Than 90% - "A+", 80%-89%-"A", 70%-79%-"B+", 60%-69%-"B", 50%-59%-"C", 49% or less is "F") | | | | | | |
|  | | | | | | |
| **National Occupational Standards (NOS)** | **Performance Criteria (PC)** | **Total Marks** | **Out Of** | **Marks Allocation** | | |
| **Theory** | **Skills Practical** | **Viva** |
| 1**. TSC/N0110 (Taking charge of shift and handing over shift to operator )** | PC1. come at least 10 - 15 minutes earlier to the work spot | **100** | 4 | 2 | 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 hank produced, colour coding, followed in the combing preparatory and combing department for his allocated number of machines | 6 | 2 | 2 | 2 |
| PC5. ensure the technical details are mentioned in the display board in the autoconer | 4 | 2 | 1 | 1 |
| PC6. check for the availability of the comber laps and spools in storage area | 4 | 1 | 2 | 1 |
| PC7. ensure all the machines are running properly, machines which are not running and problems if any should be clarified with the supervisor and operator | 4 | 1 | 2 | 1 |
| PC8. ensure proper functioning of combing machine parts | 5 | 2 | 2 | 1 |
| PC9. check the cleanliness of the machines & other work areas | 4 | 1 | 2 | 1 |
| PC10. check whether any spare/raw material/ tool / yarn / any other material are thrown under the machines or in the other work areas. | 4 | 1 | 2 | 1 |
| PC11. 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 | 2 | 1 | 1 |
| PC12. ensure the wastes collection boxes are empty while taking charge of shift | 4 | 1 | 2 | 1 |
| PC13. ensure the work spot is clean | 3 | 1 | 1 | 1 |
| PC14. ensure carding can randomization | 5 | 2 | 2 | 1 |
| PC15. hand over the shift to the incoming shift operator in a proper manner | 6 | 2 | 2 | 2 |
| PC16. ensure in providing the details regarding hank produced, colour coding followed in the combing preparatory for his allocated number of machines | 6 | 2 | 2 | 2 |
| PC17. provide all relevant information regarding the hank produced, , damaged machine parts if any | 5 | 2 | 1 | 2 |
| PC18. get clearance from the incoming counterpart before leaving the work spot | 5 | 2 | 1 | 2 |
| PC19. 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 | 4 | 1 | 2 | 1 |
| PC20. ensure the shift has to be properly handed over to the incoming shift operator | 4 | 1 | 1 | 2 |
| PC21. 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 | 4 | 2 | 2 | 0 |
| PC22. collect the wastes from waste collection bags, weigh them and transport to storage area | 3 | 1 | 1 | 1 |
| PC23. ensure the work spot is clean | 3 | 1 | 1 | 1 |
| **Total** | **100** | **35** | **36** | **29** |
| **Weightage %** |  |  | 35% | 36% | 29% |
|  | | | | | | |
| **2. TSC/N0111 (Operating the combing machine )** | PC1. ensure that necessary changes and tests are carried out and follow the instructions of the superiors before running the machine | **250** | 5 | 2 | 1 | 2 |
| PC2. operate the control switches for starting and stopping the machine | 5 | 2 | 1 | 2 |
| PC3. follow the different signal lamps used in machines | 4 | 1 | 2 | 1 |
| PC4. identify the mixing by looking at the hank board affixed on the machine | 4 | 1 | 2 | 1 |
| PC5. sliver display monitor should be always on while the machine is working | 4 | 1 | 2 | 1 |
| PC6. ensure proper functioning of comber by verifying in the display panel | 4 | 1 | 2 | 1 |
| PC7. check whether the comber lap is properly fed | 4 | 1 | 2 | 1 |
| PC8. replenish the laps with minimum waste | 4 | 1 | 2 | 1 |
| PC9. remove the roller lapping | 4 | 1 | 2 | 1 |
| PC10. draw the cotton web to the delivery zone | 4 | 1 | 2 | 1 |
| PC11. piece the sliver during breakage | 6 | 2 | 2 | 2 |
| PC12. doff the full comber sliver can | 6 | 2 | 2 | 2 |
| PC13. view the display panel and identify the reasons for machine stoppages if any | 4 | 1 | 2 | 1 |
| PC14. ensure the machine is running in the set speed by viewing the display panel | 4 | 1 | 2 | 1 |
| PC15. ensure the working area is clean | 4 | 1 | 2 | 1 |
| PC16. ensure surface of the comber lap fed is free from defects / damages | 4 | 1 | 2 | 1 |
| PC17. ensure the sliver produced is free from surface damages | 4 | 1 | 2 | 1 |
| PC18. clean the can castors before putting the cans to the comber | 4 | 1 | 2 | 1 |
| PC19. ensure the sliver cans are clean before feeding in the doffing zone | 4 | 1 | 2 | 1 |
| PC20. clean the drafting zone twice a shift and remove cotton stickings in the rollers, bearings etc | 5 | 2 | 2 | 1 |
| PC21. remove the defect in slivers | 5 | 2 | 2 | 1 |
| PC22. support the mechanic while carryout cleaning maintenance activities | 4 | 1 | 2 | 1 |
| PC23. ensure drawing area is clean | 4 | 1 | 2 | 1 |
| PC24. ensure the comber table is clean and clean at regular intervals | 3 | 1 | 1 | 1 |
| PC25. carryout cleaning activities in creeling zone, drafting zone, and delivery zone | 4 | 1 | 2 | 1 |
| PC26. ensure that the nipper, half lap, top comb, drafting zone, table, calendaring zone, trumphet, coilers etc. are clean | 4 | 1 | 2 | 1 |
| PC27. collect the noils in the comber machine at the specified intervals | 4 | 1 | 2 | 1 |
| PC28. clean the comber once a shift and remove cotton sticking if any | 5 | 2 | 2 | 1 |
| PC29. clean the wastes around the machine | 4 | 1 | 2 | 1 |
| PC30. deposit the lap / sliver waste mixing wise in the containers provided near the machine | 4 | 1 | 2 | 1 |
| PC31. ensure safety while carrying out cleaning | 4 | 1 | 2 | 1 |
| PC32. ensuring the wastes collected are deposited in the respective hank wise waste box | 4 | 1 | 2 | 1 |
| PC33. ensure combing area is clean | 3 | 1 | 1 | 1 |
| PC34. support the fitter for carrying out maintenance activities | 5 | 2 | 2 | 1 |
| PC35. ensure the draft variation on cv% is within the limits and if it’s abnormal report it to superiors | 4 | 1 | 2 | 1 |
| PC36. ensure the noils are removed as per the set limits, if abnormal should be reported to the superiors | 5 | 2 | 2 | 1 |
| PC37. attend roller lapping, chocking of lap, sliver and ensure minimum waste | 5 | 2 | 2 | 1 |
| PC38. carry out wheel changes/ hank changes as per supervisor's instructions | 5 | 2 | 2 | 1 |
| PC39. ensure roller lapping doesn’t happen frequently | 4 | 1 | 2 | 1 |
| PC40. ensure the rollers are dry enough to avoid lapping | 4 | 1 | 2 | 1 |
| PC41. ensure the top comb is clean | 4 | 1 | 2 | 1 |
| PC42. ensure the surface of the comber table is smooth | 4 | 1 | 2 | 1 |
| PC43. release the pressure on top rollers of the drafting zone when the machine is to be stopped for longer duration | 4 | 1 | 2 | 1 |
| PC44. ensure the noil sortiment position in panel board is as per the direction of supervisors | 4 | 1 | 2 | 1 |
| PC45. inform superiors immediately if the sliver monitors alarm rings in the machine | 4 | 1 | 1 | 2 |
| PC46. inform the supervisor and maintenance in charge in case of a jam | 4 | 1 | 1 | 2 |
| PC47. report to the superiors and support him for carrying out maintenance activities ,in case of any break-downs, | 5 | 1 | 1 | 3 |
| PC48. support the fitter during minor breakdown | 4 | 1 | 2 | 1 |
| PC49. ensure proper material handling of spool, comber lap, sliver, sliver can and empty can | 5 | 2 | 2 | 1 |
| PC50. ensure using proper material handling of tools and equipments | 5 | 2 | 2 | 1 |
| PC51. ensure safety while operating the comber | 4 | 1 | 2 | 1 |
| PC52. use the safety gadgets like caps, masks and shoes and verifying the safety stop motions | 5 | 2 | 2 | 1 |
| PC53. ensure the sliver produced is free from outside damages | 4 | 1 | 2 | 1 |
| PC54. Inform superiors immediately, if any break down or fault in the machine is noticed | 4 | 1 | 1 | 2 |
| PC55. ensure the proper functioning of signal lamps | 3 | 1 | 1 | 1 |
| PC56. ensure that machine is working properly, if any deviations inform superiors immediately | 4 | 1 | 2 | 1 |
| PC57. collect the reusable wastes and weigh them at shift end and place them in specified area | 6 | 2 | 2 | 2 |
| PC58. provide all relevant information’s of the current working process to the next shift operator before relieving. | 6 | 2 | 2 | 2 |
| **Total** | **250** | **74** | **107** | **69** |
| **Weightage %** |  |  | 30% | 42% | 28% |
|  | | | | | | |
| **3 . TSC/N0112 (Carryout creeling, piecing and doffing activities)** | PC1. understand the mixings, hanks and the colour codification used | **200** | 6 | 2 | 1 | 3 |
| PC2. ensure the correct hank of comber laps are taken for creeling | 6 | 2 | 2 | 2 |
| PC3. follow proper colour coding of comber laps | 4 | 1 | 2 | 1 |
| PC4. creel the required number of cans and drawing the sliver forward | 5 | 2 | 2 | 1 |
| PC5. ensure proper creeling procedure is followed for creeling the comber laps | 5 | 2 | 2 | 1 |
| PC6. ensure the laps are passed through all guide rollers, comber table and stop motions | 6 | 2 | 3 | 1 |
| PC7. ensure proper material handling of spool and comber laps | 5 | 2 | 2 | 1 |
| PC8. identity whether the machine stoppage by viewing the signal lamps and in display panel | 4 | 1 | 2 | 1 |
| PC9. identify the reasons for machine stoppage | 5 | 2 | 2 | 1 |
| PC10. ensure minimum time is taken for attending the roller lapping, comber web breakage and sliver breakage | 4 | 1 | 2 | 1 |
| PC11. ensure minimum time is taken for attending the breakage at creel zone | 4 | 1 | 2 | 1 |
| PC12. identify the reason for breakage is due to roller lappings, comber web breakage or due to comber lap exhaust | 4 | 1 | 2 | 1 |
| PC13. ensure proper procedure is followed for creeling the comber lap | 5 | 2 | 2 | 1 |
| PC14. ensure the comber lap is properly combed by comber | 6 | 2 | 3 | 1 |
| PC15. ensure the thickness of comber web produced is uniform | 6 | 2 | 3 | 1 |
| PC16. draw the comber web through the comber head and trumphet for sliver formation | 6 | 2 | 3 | 1 |
| PC17. ensure proper length of sliver is available for drawing in the comber table | 5 | 2 | 2 | 1 |
| PC18. ensure all the sliver are uniformly drawn through comber table to the calendaring zone | 4 | 1 | 2 | 1 |
| PC19. ensure standard piecing procedure is adopted and quality of piecing is as per standards | 5 | 2 | 2 | 1 |
| PC20. ensure all the sliver are uniformly calendared and drafted in drafting zone | 5 | 2 | 2 | 1 |
| PC21. ensure minimum time is taken for drawing the sliver | 4 | 1 | 2 | 1 |
| PC22. ensure the sliver passes to the coiler zone uniformly | 5 | 2 | 2 | 1 |
| PC23. collect the wastes collected and store in the respective waste bins hank wise | 5 | 2 | 2 | 1 |
| PC24. keep the sliver waste in the waste collection pocket provided to each tenter and then put in the waste in waste collection box | 4 | 1 | 2 | 1 |
| PC25. open the calendaring zone | 5 | 2 | 2 | 1 |
| PC26. ensure minimum time is taken for piecing the sliver | 5 | 2 | 2 | 1 |
| PC27. ensure proper procedure is followed | 4 | 1 | 2 | 1 |
| PC28. draw the sliver through the conveyor rollers and pass it through the coiler rollers in delivery zone into the sliver can | 5 | 2 | 2 | 1 |
| PC29. ensure proper functioning of machine post piecing | 5 | 2 | 2 | 1 |
| PC30. collect the wastes collected during piecing and store the waste at respective waste box | 4 | 1 | 2 | 1 |
| PC31. segregate the reusable wastes and weigh and record them in a register | 4 | 1 | 2 | 1 |
| PC32. transfer the reusable wastes toblowroom/ storage area | 4 | 1 | 2 | 1 |
| PC33. ensure standard piecing procedure is adopted and quality of piecing is as per standards | 4 | 1 | 2 | 1 |
| PC34. verify the quality of piecing done in the sliver | 5 | 2 | 2 | 1 |
| PC35. ensure minimum time is taken for piecing the sliver | 4 | 1 | 2 | 1 |
| PC36. ensure safety while carrying out piecing activity | 4 | 1 | 2 | 1 |
| PC37. collect the empty cans from drawing or carding department for feeding the empty cans | 5 | 2 | 2 | 1 |
| PC38. keep the can castors clean before feeding | 4 | 1 | 2 | 1 |
| PC39. ensure whether the sliver can is ready for doffing by viewing the details in display panel | 5 | 2 | 2 | 1 |
| PC40. Keep the required number of empty cans near doff zone for automatic can change | 4 | 1 | 2 | 1 |
| PC41. keep the empty sliver can near the doffing machine in manual doffing | 5 | 2 | 2 | 1 |
| PC42. doff the full sliver can in case of manual doffing | 6 | 2 | 2 | 2 |
| **Total** | 200 | 67 | 87 | 46 |
| **Weightage %** |  |  | 34% | 44% | 23% |
|  | | | | | | |
| **4.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 |
| 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 |
| **Weightage %** |  |  | 30% | 42% | 28% |
|  |  |  |  |  |  |  |
| **5.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 | 4 | 2 | 1 | 1 |
| PC3. be effective and efficient at workplace | 5 | 1 | 2 | 1 |
| PC4. properly communicate about company policies | 4 | 1 | 2 | 2 |
| 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 | 1 | 1 | 2 |
| PC9. give due importance to others’ point of view | 4 | 2 | 1 | 1 |
| PC10. avoid conflicting situations | 4 | 2 | 1 | 1 |
| 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 | 17 | 17 | 16 |
| **Weightage %** |  |  | 34% | 34% | 32% |
|  | | | | | | |
| **6.TSC/N9003 (Maintain health, safety and security at work place)** | PC1. comply with health and safety related instructions applicable to the workplace | **100** | 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 lifestyle and guard against dependency on intoxicants | 4 | 2 | 1 | 1 |
| 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 organisational 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 |
| 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 organisation 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. recognise other possible security issues existing in the workplace | 4 | 2 | 1 | 1 |
| PC21. recognise 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 |
| **Weightage %** |  |  | 43.00% | 34.00% | 23.00% |
|  | | | | | | |
| **7.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 |
| 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 organisational 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 organisation standards | 4 | 2 | 1 | 1 |
| **Total** | **50** | **18** | **19** | **13** |
| **Weightage %** |  |  | 34% | 40% | 26% |
| **Total** | | | **800** | **269** | **321** | **210** |
| **Grand total** | | | **800** | | | |