

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

Contact Us:

Textile SSC

E-mail: ìnfo@texskill.in

technology

consulting

proprius. quaenulla magna. Delenitabdoessequia, tehuic. Ratisnequeymo, venioillum

paladamnum. Aptentnullaaliquipcamurut

consequataptent. Adipiscing magna jumentum

velitiriureobruovel.Volutpatmos at nequenulla

lobortisdignissimconventio, torqueo, acsiroto

modo. Feugait in obruo quae ingeniumtristique

elitvelnatumeus. Moliortorqueocapiovelitloquor aptentuteratfeugiatpneumcommodovelobruomaraduisenimconsequatgenitus. Enim neo velitadsumodio, multolorem ipso matairlosa.

Aptentnullaaliquipcamurut  
consequataptentnisl in voco  
consequat. Adipsdiscing magna jumentumvelitiriureobruo. damnum pneum. Aptentnullaaliquipcamurutconsequatloremaptentnisl magna jumentumvelitan en iriure. Loquor, vulputatemeusindolesiaceo, ne secundum, dolusdemoveointerddficoproprius. In consequatosquadfsenudflla magna. Aptentnullaaliquipcamurutansdl as consequataptentnisl in vocolocconsequatispo facto delore ergo maskaforgeuitmascapala ergo sacrum lamap  
allacumdergo ipso aliquipmiasermi

EYE ON IT

Current Industry Trends

Suscipit, vicispraesenterat

feugaitepulae, validusindolesduisenimconsequatgenitus at. Sed, conventio, aliquip

accumsanadipiscingaugueblandit minim abbasoppetocommov.

Enim neo velitadsumodio, multo, in commoveoquibuspremotamenerathuic. Occuro uxor dolore, ut at praemittooptosisudo, opesfeugiatiriurevalidus. Sino lenis vulputate, valetudoilleabbascogosaluto quod, esseillum, letatioloremconventio. Letalisnibhiustumtransverberobene, eratvulputateenimessesisudoerat.

SOFTWARE

Monthly Picks

Volutpatmos at

neque

nullalobortis

dignissim

conventio, torqueo, acsirotomodo. Feugait in obruo quae ingeniumtristiqueelitvelnatumeus. Moliortorqueocapiovelitloquoraptentuteratfeugiatpneumcommodo.

Enim neo velitadsumodio, multo, in commoveoquibuspremotamenerathuic. Occuro uxor dolore, ut at praemittooptosisudo, opesfeugiat.



**Sector: TEXTILE**

**SUB-SECTOR: SPINNING**

**OCCUPATION: Spinning**

**REFERENCE ID: TSC/Q 0201**

**ALIGNED TO: NCO-2004 / 8261.35**

**Brief Job Description:** A ring frame tenter is responsible for carrying out tenting activities in a ring frame machine. A ring frame tenter should be able to creel the roving bobbin, piece the yarn and carry out routine cleaning and preventive maintenance activities to produce defect free yarn and ensure quality ring cops are produced in ring frame machine.

This job requires the individual to have thorough knowledge of process flow and material flow in a spinning mill for yarn production and should know about the important functions and operations of a ring frame machine.

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

|  |
| --- |
|  |

**Introduction**

**Qualifications Pack – Ring Frame Tenter**

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

Contents

1. [Introduction and Contacts..….……….……..….P.1](#contact)
2. [Qualifications Pack……….………………............P.2](#QP)
3. [Glossary of Key Terms…….……..……….……...P.3](#Glossary)
4. [NOS Units…………………………………………………P.5](#OS)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Job Details | **Qualifications Pack Code** | **TSC/Q0201** | | |
| **Job Role** | **Ring Frame 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** | **Ring Frame Tenter** |
| **Role Description** | To carry out tenting activities in a Ring frame machine ensuring minimum machine stoppage and achieving maximum production. |
| **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/ N0201 Taking charge of shift and handing over shift to operator](#_TSC/_N0101) 2. [TSC/ N0202 Creeling the roving bobbin](#_This_unit_is) 3. [TSC/ N0203 Piecing the broken yarn](#_This_unit_is_1) 4. [TSC/ N0204 Carryout cleaning and maintenance activities](#_This_unit_is_2) 5. [TSC/ N9001 Maintain work area,tools and machines](#_This_unit_is_3) 6. [TSC/ N9002 Working in a team](#_This_unit_is_3) 7. [TSC/ N9003 Maintain health, safety and security at workplace](#_This_unit_is_4) 8. [TSC/ N9004 Comply with industry and organizational requirement](#_This_unit_is_5)   **Optional:**  **N/A** |
| **Performance Criteria** | As described in the relevant OS units |

# 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 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.**

|  |  |
| --- | --- |
| **Unit Code**  National Occupational Standard | TSC/ N0201 |
| **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 count produced, colour coding, followed in the ring frames for his allocated number of spindles or machines 5. ensure the technical details are mentioned in the display board in the ring frame machine 6. check for the availability of the spare roving bobbins 7. check the availability of bobbin trolley with technical details mentioned regarding the count being produced 8. check the condition of running travellers 9. check the roving passage and yarn formation is proper 10. check for the run outs , availability of the roving bobbins 11. ensure all the spindles are running properly, if not should be enquired for the reason for idle spindle and report to the superiors regarding the same 12. check the condition of different running cops 13. ensure proper functioning of ring frame machine parts and machine 14. ensure all allocated spindles are running with uniform length of yarn is wound on cop, variations if any should be discussed with operator and reported to superiors 15. check the condition of running spindles, damages if any should be reported 16. check the cleanliness of the machines & other work areas 17. check whether any spare/raw material/ tool / yarn / any other material are thrown under the machines or in the other work areas. 18. question the previous shift operator for any deviation in the above and should bring the same to the knowledge of his/ her shift superior as well that of the previous shift as well. 19. ensure no roller lapping in ring frame 20. remove the roller lapping manually if any without damaging the cots 21. in case of burnt out travellers, ensure that only the correct size of traveller is used for replacement 22. ensure the wastes collection boxes are empty while taking charge of shift 23. ensure the ohtc is working properly 24. ensure the work spot is clean |
| **Handing over shift** | 1. hand over the shift to the incoming ring frame tenter in a proper manner 2. ensure in providing the details regarding count produced, colour coding followed in the ring frames for his allocated number of spindles or machines 3. provide all relevant information regarding the count produced, idle spindles, 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 operatorin 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 spinning mill 2. safe working practices to be adopted in spinning mill 3. quality systems and other processes practiced in the spinning mill 4. reporting to the supervisor or higher authority in case of emergency 5. color coding adopted for different counts in the spinning mill |
| 1. **Technical Knowledge** | 1. Understanding the importance of :  * types of fibres * roving hank * importance of roving quality * types of roving defects * types of yarn * yarn count * types of yarn defects  1. process flow in a spinning mill 2. material flow in a spinning mill 3. importance of mixing, count change 4. functions of different parts of ring frame machine 5. importance of colour coding followed for different counts in spinning mill 6. knowledge of waste collection system & equipments used 7. importance of material handling and types of material handling equipments used 8. functions and methodology for operating different material handling equipments 9. guidelines for operating the ring frame machine 10. guidelines for taking charge of shift from previous shift operator 11. guidelines for handing over the shift to the next shift operator 12. importance of cleanliness at workplace 13. safety procedures to be followed in a ring frame machine |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in simple language |
| **Reading Skills** |
| 1. comprehend written instructions |
| **Oral Communication (Listening and Speaking skills)** |
| 1. communicate with supervisor appropriately 2. talk to others to convey information effectively |
| 1. **Professional Skills** | **Problem Solving** |
| 1. apply problem-solving approaches in different situations 2. refer anomalies to the supervisor 3. seek clarification on problems from others |
| **Attention to Detail** |
| 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. patrol around the ring frame machine and identify roving breakage or bobbin exhaust 2. operate different material handling tools and equipments 3. patrol around the ring frame departments ad identifying worn out or damaged machine parts 4. check the quality of ring cops, roving bobbins, proper functioning of machine parts in ring frame machine 5. maintainance of neatness at work |

**NOS Version Control**

|  |  |  |  |
| --- | --- | --- | --- |
| **NOS Code** | **TSC/ N0201** | | |
| **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 creeling the roving bobbin in a ring frame machine in the event bobbin exhaust and pieing roving breakage.

|  |  |
| --- | --- |
| **Unit Code**  National Occupational Standard | **TSC/ N0202** |
| **Unit Title**  **(Task)** | Creeling the roving bobbin |
| **Description** | This unit is about carrying out procedure for carrying out creeling activities in the event of a roving bobbin exhaust and piecing roving breakage |
| Scope | **This unit/task covers the following:**   * to attend the machine on roving exhaust * to piece the broken roving * to ensure proper material handling of roving * to check the quality of roving piecing and starting the machine |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **Performance Criteria** |
| **Attending the machine for creeling** | To be competent, you must be able to:   1. bring the roving bobbin from storage using bobbin trolley 2. ensure correct colour coded bobbins are taken to ring frame section 3. identify roving bobbin exhausts and removing the empty bobbin 4. replace exhausted roving bobbin with suitable bobbins on the creel from the reserve holder / trolley 5. ensure colour coding of feed in the creel is correct 6. creel the full roving bobbin 7. ensure proper passage of roving 8. ensure minimum time is taken for attending the roving breakage |
| **Piecing the roving** | 1. ensure that the roving passes through the creeling section without affecting the quality of roving 2. draw the roving end with minimum waste and then piece up the yarn 3. ensure proper length of roving is available for piecing 4. piece the broken roving together in the event of roving breakage at creel section 5. ensure standard piecing procedure is adopted and quality and size of piecing is within the standards 6. keep the roving waste in the waste collection pocket provided to each tenter and then put in the waste in waste collection box 7. ensure minimum time is taken for piecing the roving |
| **Material handling of the roving** | 1. properly handle the roving and roving bobbin 2. ensure roving surface doesn’t gets damaged |
| **Checking the quality of piecing** | 1. verify the quality of piecing done in the roving 2. ensure roving tension in the creeling section is appropriate 3. ensure proper functioning of the machine |
| **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 spinning mill 2. safe working practices to be adopted in spinning mill 3. quality systems and other processes practiced in the spinning mill 4. reporting to the supervisor or higher authority in case of emergency 5. color coding adopted for different counts in the spinning mill |
| 1. **Technical Knowledge** | You need to know and understand:   1. the importance of  * types of fibres * types of yarn * yarn count * types of roving * roving hank * importance of roving quality * types of roving defects * reasons for roving breakage  1. process flow in a spinning mill 2. material flow in a spinning mill 3. functions of different parts of ring frame machine 4. importance of creeling 5. importance of colour coding followed for different counts in spinning mill 6. tools and equipments used 7. knowledge of waste collection system & equipments used 8. importance of material handling and types of material handling equipments used 9. functions and methodology for operating different material handling equipments 10. understanding the functions of different signal lamps 11. guidelines for operating the ring frame machine 12. safety procedures to be followed in a ring frame machine |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in simple language |
| **Reading Skills** |
| 1. comprehend written instructions |
| **Oral Communication (Listening and Speaking skills)** |
| 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** |
| 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. standard operating procedures to be followed for creeling the roving 2. patrol around the ring frame machine and identify roving breakage or bobbin exhaust 3. transport the bobbin trolley 4. any damaged bobbin noticed should be cleaned and reused 5. procedure for unraveling the roving from the roving bobbin 6. standard piecing technique adopted for piecing the broken roving 7. check the quality of piecing 8. procedure for operating different material handling tools and equipments 9. maintain neatness at work |

|  |  |  |  |
| --- | --- | --- | --- |
| **NOS Code** | **TSC/ N0202** | | |
| **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** |

**NOS Version Control**

**National Occupational Standard**

**Overview**

**This unit is about carrying out procedure for piecing the yarn in the event of a yarn breakage.**

|  |  |
| --- | --- |
| **Unit Code**  National Occupational Standard | **TSC/N 0203** |
| **Unit Title**  **(Task)** | Piecing the broken yarn |
| **Description** | This unit is about carrying out procedure for piecing the yarn in the event of a yarn breakage |
| Scope | **This unit/task covers the following:**   * Identifying yarn breakage * to piece the broken yarn * to ensure proper material handling of yarn * to check the quality of piecing |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **Performance Criteria** |
| **Identifying yarn breakage** | To be competent, you must be able to:   1. patrol around the ring frame machine & identify the yarn breakage in ring frame 2. ensure minimum time is taken for attending the yarn breakages 3. check creel break, traveller fly/ loading, undraft &roller lapping 4. apply the knee break to stop the spindle 5. check the cop quality 6. ensure proper seating of empties in the spindle after yarn piecing 7. verify the quality of piecing done in the yarn 8. attend to the end breakage as and when they occur |
| **Piecing the yarn** | 1. take yarn from cop to feed ABC Ring and insert traveller,lappet hook cut the yarn (10mm ) and to start piecing 2. piece the yarn between false twister and drafting zone by following standard piecing techniques 3. ensure proper seating of empties in the spindle after yarn piecing 4. ensure proper traveller running 5. ensure minimum time is taken for piecing the yarn 6. ensure proper material handling of ring cops 7. ensure the yarn should be pieced with minimum overlapping |
| **Material handling** | 1. put the roving ends and roller bonda waste in the bags or pockets of coat / apron while attending the end breakage’s. 2. ensure proper material handling of yarn and cops |
| **Check the quality of pieced yarn** | 1. ensure the quality of piecing is as per standard 2. ensure the tension of the pieced yarn is proper 3. ensure the cop is perfectly fitted in the spindle 4. verify proper material passage from drafting zone till the yarn wound in cop 5. remove the pneumafil waste and yarn waste and deposit in the respective waste collection bags 6. ensure proper functioning of the machine |
| **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 spinning mill 2. safe working practices to be adopted in spinning mill 3. quality systems and other processes practiced in the spinning mill 4. reporting to the supervisor or higher authority in case of emergency 5. color coding adopted for different counts in the spinning mill |
| 1. **Technical Knowledge** | You need to know and understand:   1. the importance of different types of fibres, roving, roving, yarn, hank and count. 2. process and material flow in a spinning mill 3. functions of different parts of a ring frame machine 4. the types of roving defects and reason for roving breakage 5. importance of piecing 6. tools and equipments used for piecing 7. knowledge of waste collection system & material handling equipments used 8. functions of different signal lamps and control buttons 9. guidelines for operating the ring frame machine 10. safety procedures to be followed in a ring frame machine |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| you need to know and understand how to:   1. write in simple language. |
| **reading skills** |
| 1. comprehend written instructions |
| **Oral Communication (Listening and Speaking skills)** |
| 1. communicate with supervisor appropriately 2. talk to others to convey information effectively |
| 1. **Technical Skills** | You need to know and understand :   1. patrolling procedure to attend the end breaks without delay 2. procedure for finding the broken yarn 3. procedure for stopping the spindle using knee break 4. procedure to unwind the yarn in cop 5. standard piecing technique for piecing the broken yarn 6. procedure for mounting the cop in the spindle 7. check the quality of piecing 8. procedure for deposit the waste. 9. maintain neatness at work |

**NOS Version Control**

|  |  |  |  |
| --- | --- | --- | --- |
| **NOS Code** | **TSC/N 0203** | | |
| **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 cleaning and miantenenace responsibilities and responsibilities in a Ring Frame Machine, other than piecing the roving and yarn.

|  |  |
| --- | --- |
| **Unit Code**  National Occupational Standard | **TSC/ N0204** |
| **Unit Title**  **(Task)** | Carryout cleaning and maintenance activities |
| **Description** | This unit is about carrying out the tenting responsibilities in a Ring frame machine other than piecing the roving and yarn |
| Scope | This unit/task covers the following:   * to carryout cleaning maintenance activities * to carryout preventive maintenance activities * to carryout other tenting responsibilities |
| **Performance Criteria (PC) w.r.t. the Scope** | |
| **Elements** | **PerformanceCriteria** |
| **Carry out cleaning & maintenance activities** | to be competent, you must be able to:   1. schedule the cleaning activities 2. carry out cleaning activities 3. clean the creeling area 4. clean the drafting zone 5. clean pneumafil pipes 6. clean clearer rollers 7. clean the ring frame area 8. ensure proper cleaning of drafting zone 9. ensure proper cleaning of roller lapping, padding and roller arbour cleaning 10. ensure proper rotation of clearer rollers 11. deposit the yarn waste in the waste collection pocket provided to each tenter and finally depositing in the waste collection box 12. check the pneumafil waste collection once in an hour,or as per predefined scheduled and remove the wastes if required 13. remove the roller lapping manually or with tools provided, without damaging the cots 14. remove the wastes in the clearer rollers on a timely basis 15. collect the wastes in the waste collection chamber and depositing in the waste collection box 16. clean the waste collection chamber 17. clean the alley around the ring frame machine using proper cleaning equipments 18. ensure the wastes collected from different parts of machine are deposited in the respective dustbins 19. ensure the ring frame department is neat and clean |
| **Carry out autonomous maintenance activities** | 1. ensure proper functioning of machine 2. check and verify the quality of different machine parts 3. Inform forremoval of the worn out parts and ensure replacement with new parts in ring frame machine 4. Inform forremoval of removing and replacing worn out cots 5. traveller mounting responsibilities 6. set the traveller on ring 7. set the drafting zone 8. identify end brake for traveller fly. 9. take traveller in traveller tray 10. check correct traveller and confirm the count board 11. apply brake and fix traveller and release the brake 12. replace traveller during count change and as per instructions of supervisor / maintenance incharge 13. oil the different parts of ring frame machine on need basis 14. ensure proper setting of pneumafil pipe setting 15. remove roller lapping (top & bottom) 16. identify end brakes for roller lapping and remove lapping 17. remove the top clearer roller to check cops ,empties floor 18. check cross roving 19. check top arm lifting 20. check ohtc air blowing 21. check bottom apron ,top apron, spacer 22. remove the roller lapping manually without damaging the cots 23. in case of burnt out travelers, ensure that only the correct size of traveler is used for replacement. 24. notice damaged bobbins and reuse 25. if any quality affecting points noticed, report it to supervisors like missing spacers, spindle vibration damaged aprons, defective cots etc. 26. ensure that ohtc is working. 27. carry out preventive maintenance activities at the specified intervals |
| **Other tenting (Ring frame Tenter ) responsibilities** | 1. verify the proper build of the roving bobbin 2. supportthe doffer while carrying out doffing activities 3. record the production details in the production report 4. report to the supervisor in case of emergency stoppage of machine 5. report to the supervisor and maintenance incharge if the operator was able to replace the worn out machine part with a new one. 6. support the maintenance team while machine is under maintenance 7. ensuring all details related to production are provided the next shift operator while relieving 8. ensure count wise storage of wound bobbin without damaging the roving |
| **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 spinning mill 2. safe working practices to be adopted 3. quality systems and other processes practiced in the spinning mill 4. reporting to the supervisor or higher authority in case of emergency |
| **B. Technical**  **Knowledge** | You need to know and understand:   1. process and material flow in a spinning mill 2. functions of different parts of a ring frame machine 3. importance of yarn quality 4. importance of cleaning 5. schedule for cleaning 6. types and functions of various cleaning tools and equipments 7. types of waste collected from the ring frame machine 8. guidelines for cleaning the various part of ring frame machine 9. operational schedule for cleaning different parts of ring frame machine 10. operational schedule for collecting wastes from waste collection chamber 11. types of possible worn out parts in a ring frame machine 12. types and importance of travelers 13. procedure for mounting travelers 14. types of end breaks and reason for end breaks 15. procedure for removing roller lapping and clearer rollers 16. the safety precautions to be followed in a ring frame department |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. Write in simple language |
| **Reading Skills** |
| 1. comprehend writtem instructions |
| **Oral Communication (Listening and Speaking skills)** |
| 1. communicate with supervisor appropriately 2. talk to others to convey information effectively |
| 1. **Technical Skills** | You need to know and understand :   1. procedure for operating the various cleaning tools and equipments 2. procedure for cleaning the creeling area 3. procedure for cleaning the drafting zone 4. procedure for cleaning the delivery zone in ring frame machine 5. procedure for cleaning pneumafil wastes 6. procedure for collection of wastes from waste collection chamber 7. procedure for cleaning the waste collection chamber 8. procedure for cleaning the other parts of ring frame machine 9. procedure for proper material handling of cleaning equipments 10. procedure for removing the roller lapping 11. procedure to identify and remove worn out parts in ring frame machine   SC12. procedure to replace the worn out parts with a new machine part  SC13. setting the traveller on ring, drafting zone, traveller mountng  SC14. procedure for carrying our preventive maintenance activities  SC15. procedure for oiling different parts of ring frame machine |

**NOS Version Control**

|  |  |  |  |
| --- | --- | --- | --- |
| **NOS Code** | **TSC/ N0204** | | |
| **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** |

technology

consulting

proprius. quaenulla magna. Delenitabdoessequia, tehuic. Ratisnequeymo, venioillum

paladamnum. Aptentnullaaliquipcamurut

consequataptent. Adipiscing magna jumentum

velitiriureobruovel.Volutpatmos at nequenulla

lobortisdignissimconventio, torqueo, acsiroto

modo. Feugait in obruo quae ingeniumtristique

elitvelnatumeus. Moliortorqueocapiovelitloquor aptentuteratfeugiatpneumcommodovelobruomaraduisenimconsequatgenitus. Enim neo velitadsumodio, multolorem ipso matairlosa.

Aptentnullaaliquipcamurut  
consequataptentnisl in voco  
consequat. Adipsdiscing magna jumentumvelitiriureobruo. damnum pneum. Aptentnullaaliquipcamurutconsequatloremaptentnisl magna jumentumvelitan en iriure. Loquor, vulputatemeusindolesiaceo, ne secundum, dolusdemoveointerddficoproprius. In consequatosquadfsenudflla magna. Aptentnullaaliquipcamurutansdl as consequataptentnisl in vocolocconsequatispo facto delore ergo maskaforgeuitmascapala ergo sacrum lamap  
allacumdergo ipso aliquipmiasermi

EYE ON IT

Current Industry Trends

Suscipit, vicispraesenterat

feugaitepulae, validusindolesduisenimconsequatgenitus at. Sed, conventio, aliquip

accumsanadipiscingaugueblandit minim abbasoppetocommov.

Enim neo velitadsumodio, multo, in commoveoquibuspremotamenerathuic. Occuro uxor dolore, ut at praemittooptosisudo, opesfeugiatiriurevalidus. Sino lenis vulputate, valetudoilleabbascogosaluto quod, esseillum, letatioloremconventio. Letalisnibhiustumtransverberobene, eratvulputateenimessesisudoerat.

SOFTWARE

Monthly Picks

Volutpatmos at

neque

nullalobortis

dignissim

conventio, torqueo, acsirotomodo. Feugait in obruo quae ingeniumtristiqueelitvelnatumeus. Moliortorqueocapiovelitloquoraptentuteratfeugiatpneumcommodo.

Enim neo velitadsumodio, multo, in commoveoquibuspremotamenerathuic. Occuro uxor dolore, ut at praemittooptosisudo, opesfeugiat.

**National Occupational Standard**

**Overview**

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

|  |  |
| --- | --- |
| **Unit Code**  National Occupational Standard | **TSC/ N9001** |
| **Unit Title**  **(Task)** | Maintain work area, tools and machines |
| **Description** | This unit provides performance criteria, knowledge & understanding and skills & abilities required to organise/ maintain work areas and activities to ensure tools and machines are maintained as per norms |
| Scope | This unit/task covers the following:   * 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. work instructions and specifications and interpret them accurately 2. relation between work role and the overall manufacturing process 3. hazards likely to be encountered when conducting routine maintenance 4. the importance of taking action when problems are identified 5. different ways of minimising waste 6. the importance of running maintenance and regular cleaning 7. effects of contamination on products i.e. machine oil, dirt, foreign materials 8. common faults with equipment and the method to rectify 9. maintenance procedures 10. different types of cleaning equipment and substances and their use 11. safe working practices for cleaning and the method of carrying them out |

|  |  |
| --- | --- |
| **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. Communicate effectively in local language 2. communicate with supervisor appropriately 3. talk to others 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. 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **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.

|  |  |
| --- | --- |
| **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 simple language 2. write daily work report 3. write grievance complaint application |
| **Reading Skills** |
| 1. comprehend written instructions 2. read any application sent by other colleagues |
| **Oral Communication (Listening and Speaking skills)** |
| 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** |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| **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** |

**National Occupational Standard**

**Overview**

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

|  |  |
| --- | --- |
| **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 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:   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** | 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 simple language |
| **Reading Skills** |
| 1. read and understand the company instructions 2. read and understand work instructions 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. maintainance of neatness at work 2. procedure for reporting unwanted behavior |

|  |  |  |  |
| --- | --- | --- | --- |
| **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** |

**NOS Version Control**

**National Occupational Standard**

**Overview**

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

|  |  |
| --- | --- |
| **Unit Code**  National Occupational Standard | **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 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. general rules and regulations in a textile mill 2. reporting to the supervisor or higher authority 3. knowledge of organisationl standards 4. knowledge of industry standards |
| 1. **Technical Knowledge** | 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 |
| **Skills (S)** | |
| 1. **Core Skills/ Generic Skills** | **Writing Skills** |
| You need to know and understand how to:   1. write in simple language |
| **Reading Skills** |
| You need to know and understand how to:   1. read the given instructions 2. comprehend written instructions |
| **Oral Communication (Listening and Speaking skills)** |
| 1. talk effectively with others 2. put forward your point 3. listen to others |
| 1. **Technical skills** | you need to know and understand :   1. Organizational requirements 2. your responsibilities at the workplace 3. procedure to comply with the industry standards |

**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** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Job Role: Ring Frame Tenter Qualification Pack: Ring Frame Tenter (TSC/Q 0201)  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 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/N0201 (Taking charge of shift and handing over shift to operator)** | PC1.      Come atleast 10 - 15 minutes earlier to the work spot | **100** | 3 | 1 | | 1 | 1 |
| PC2.      Bring the necessary operational tools to the department | 3 | 1 | | 1 | 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. | 4 | 1 | | 1 | 2 |
| PC4.      Understand the count produced, colour coding, followed in the ring frames for his allocated number of spindles or machines | 3 | 1 | | 1 | 1 |
| PC5.      Ensure the technical details are mentioned in the display board in the ring frame machine | 3 | 1 | | 2 | 0 |
| PC6.      Check for the availability of the spare roving bobbins | 2 | 1 | | 1 | 0 |
| PC7.      Check the availability of bobbin trolley with technical details mentioned regarding the count being produced | 2 | 1 | | 1 | 0 |
| PC8. Check the condition of running travellers | 2 | 1 | | 1 | 0 |
| PC9. Check the roving passage and yarn formation is proper | 3 | 1 | | 1 | 1 |
| PC10. Check for the run outs , availability of the roving bobbins | 3 | 1 | | 1 | 1 |
| PC11.  Ensure all the spindles are running properly, if not should be enquired for the reason for idle spindle and report to the superiors regarding the same | 4 | 1 | | 2 | 1 |
| PC12.  Check the condition of different running cops | 4 | 1 | | 2 | 1 |
| PC13.  Ensure proper functioning of ring frame machine parts and machine | 4 | 1 | | 2 | 1 |
| PC14.  Ensure all allocated spindles are running with uniform length of yarn is wound on cop, variations if any should be discussed with operator and reported to superiors | 3 | 1 | | 1 | 1 |
| PC15.  Check the condition of running spindles, damages if any should be reported | 2 | 1 | | 1 | 0 |
| PC16.  Check the cleanliness of the machines & other work areas | 2 | 1 | | 1 | 0 |
| PC17.  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 |
| PC18.  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. | 3 | 1 | | 1 | 1 |
| PC19.  Ensure no roller lapping in ring frame | 3 | 1 | | 1 | 1 |
| PC20.  Remove the roller lapping manually if any without damaging the cots | 3 | 1 | | 1 | 1 |
| PC21.  In case of burnt out travellers, ensure that only the correct size of traveller is used for replacement | 3 | 1 | | 1 | 1 |
| PC22.  Ensure the wastes collection boxes are empty while taking charge of shift | 3 | 1 | | 1 | 1 |
| PC23.  Ensure the ohtc is working properly | 3 | 1 | | 2 | 0 |
| PC24. Ensure the work spot is clean | 3 | 1 | | 1 | 1 |
| PC25.  Hand over the shift to the incoming ring frame tenter in a proper manner | 3 | 1 | | 1 | 1 |
| PC26.  Ensure in providing the details regarding count produced, colour coding followed in the ring frames for his allocated number of spindles or machines | 3 | 1 | | 1 | 1 |
| PC27.  Provide all relevant information regarding the count produced, idle spindles, damaged machine parts if any | 3 | 1 | | 0 | 2 |
| PC28.  Get clearance from the incoming counterpart before leaving the work spot | 3 | 1 | | 0 | 2 |
| PC29.  Report to his/ her shift superiors as well as that of the incoming shift operatorin case his/ her counterpart doesn't report for the incoming shift | 4 | 1 | | 1 | 2 |
| PC30.  Ensure the shift has to be properly handed over to the incoming shift operator | 3 | 1 | | 1 | 1 |
| PC31.  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 | 1 | | 1 | 2 |
| PC32.  Collect the wastes from waste collection bags, weigh them and transport to storage area | 3 | 1 | | 1 | 1 |
| PC33.  Ensure the work spot is clean | 3 | 1 | | 1 | 1 |
| **Total** | **100** | **33** | | **36** | **31** |
|  | **Weightage %** | 100 | 33 | | 36 | 31 |
|  | | | | | | | |
| **2. TSC/N202 (Creeling the roving bobbin )** | PC1.      Bring the roving bobbin from storage using bobbin trolley | **100** | 5 | 2 | 2 | | 1 |
| PC2.      Ensure correct colour coded bobbins are taken to ring frame section | 5 | 2 | 2 | | 1 |
| PC3.      Identify roving bobbin exhausts and removing the empty bobbin | 6 | 2 | 3 | | 1 |
| PC4.      Replace exhausted roving bobbin with suitable bobbins on the creel from the reserve holder / trolley | 6 | 2 | 3 | | 1 |
| PC5.      Ensure colour coding of feed in the creel is correct | 4 | 2 | 1 | | 1 |
| PC6.      Creel the full roving bobbin | 6 | 2 | 3 | | 1 |
| PC7.      Ensure proper passage of roving | 5 | 2 | 2 | | 1 |
| PC8.      Ensure minimum time is taken for attending the roving breakage | 5 | 2 | 2 | | 1 |
| PC9.      Ensure that the roving passes through the creeling section without affecting the quality of roving | 4 | 1 | 2 | | 1 |
| PC10.  Draw the roving end with minimum waste and then piece up the yarn | 6 | 2 | 3 | | 1 |
| PC11.  Ensure proper length of roving is available for piecing | 5 | 1 | 3 | | 1 |
| PC12.  Piece the broken roving together in the event of roving breakage at creel section | 6 | 2 | 3 | | 1 |
| PC13.  Ensure standard piecing procedure is adopted and quality and size of piecing is within the standards | 5 | 2 | 2 | | 1 |
| PC14.  Keep the roving waste in the waste collection pocket provided to each tenter and then put in the waste in waste collection box | 4 | 1 | 2 | | 1 |
| PC15.  Ensure minimum time is taken for piecing the roving | 4 | 1 | 2 | | 1 |
| PC16.  Properly handle the roving and roving bobbin | 5 | 2 | 3 | | 0 |
| PC17.  Ensure roving surface doesn’t gets damaged | 5 | 2 | 3 | | 0 |
| PC18.  Verify the quality of piecing done in the roving | 5 | 2 | 3 | | 0 |
| PC19.  Ensure roving tension in the creeling section is appropriate | 5 | 2 | 2 | | 1 |
| PC20.  Ensure proper functioning of the machine | 4 | 1 | 2 | | 1 |
| **Total** | **100** | **35** | **48** | | **17** |
|  | **Weightage %** | 100 | 35 | 48 | | 17 |
|  | | | | | | | |
| **3.TSC/N0203 (Piecing the broken yarn)** | PC1.     Patrol around the ring frame machine & identify the yarn breakage in ring frame | **100** | 5 | 1 | 3 | | 1 |
| PC2.     Ensure minimum time is taken for attending the yarn breakages | 4 | 1 | 2 | | 1 |
| PC3.     Check creel break, traveller fly/ loading, undraft &roller lapping | 4 | 1 | 2 | | 1 |
| PC4.     Apply the knee break to stop the spindle | 5 | 1 | 3 | | 1 |
| PC5.     Check the cop quality | 4 | 1 | 2 | | 1 |
| PC6.     Ensure proper seating of empties in the spindle after yarn piecing | 4 | 1 | 2 | | 1 |
| PC7.Take yarn from cop to feed ABC Ring and insert traveller,lappet hook cut the yarn (10mm ) and to start piecing | 6 | 2 | 2 | | 2 |
| PC8.    Piece the yarn between false twister and drafting zone by following standard piecing techniques | 4 | 1 | 2 | | 1 |
| PC9.    Ensure proper seating of empties in the spindle after yarn piecing | 6 | 2 | 4 | | 0 |
| PC10.    Ensure proper traveller running | 6 | 2 | 4 | | 0 |
| PC11.    Ensure minimum time is taken for piecing the yarn | 5 | 1 | 3 | | 1 |
| PC12.    Ensure proper material handling of ring cops | 5 | 1 | 3 | | 1 |
| PC13.    Ensure the yarn should be pieced with minimum overlapping | 4 | 2 | 1 | | 1 |
| PC14.    Put the roving ends and roller bonda waste in the bags or pockets of coat / apron while attending the end breakage’s. | 5 | 2 | 2 | | 1 |
| PC15.    Ensure proper material handling of yarn and cops | 5 | 2 | 2 | | 1 |
| PC16.    Ensure the quality of piecing is as per standard | 5 | 2 | 2 | | 1 |
| PC17.    Ensure the tension of the pieced yarn is proper | 5 | 2 | 2 | | 1 |
| PC18.    Ensure the cop is perfectly fitted in the spindle | 4 | 2 | 1 | | 1 |
| PC19.    Verify proper material passage from drafting zone till the yarn wound in cop | 5 | 2 | 2 | | 1 |
| PC20.    Remove the pneumafil waste and yarn waste and deposit in the respective waste collection bags | 4 | 1 | 2 | | 1 |
| PC21.    Ensure proper functioning of the machine | 5 | 1 | 2 | | 2 |
| **Total** | **100** | **31** | **48** | | **21** |
|  | **Weightage %** | 100 | 31 | 48 | | 21 |
|  |  |  |  |  |  | |  |
| **4.TSC/N0204(Carryout cleaning and maintenance activities)** | PC1.     Schedule the cleaning activities | **200** | 4 | 1 | 1 | | 2 |
| PC2.     Carry out cleaning activities | 4 | 1 | 2 | | 1 |
| PC3.     Clean the creeling area | 4 | 1 | 2 | | 1 |
| PC4.     Clean the drafting zone | 4 | 1 | 2 | | 1 |
| PC5**.**Clean pneumafil pipes | 4 | 1 | 2 | | 1 |
| PC6.     Clean clearer rollers | 4 | 1 | 2 | | 1 |
| PC7.     Clean the ring frame area | 3 | 1 | 2 | | 0 |
| PC8.     Ensure proper cleaning of drafting zone | 3 | 1 | 2 | | 0 |
| PC9.     Ensure proper cleaning of roller lapping, padding and roller arbour cleaning | 3 | 1 | 2 | | 0 |
| PC10.    Ensure proper rotation of clearer rollers | 3 | 1 | 1 | | 1 |
| PC11.    Deposit the yarn waste in the waste collection pocket provided to each tenter and finally depositing in the waste collection box | 4 | 1 | 2 | | 1 |
| PC12.    Check the pneumafil waste collection once in an hour,or as per predefined scheduled and remove the wastes if required | 4 | 1 | 2 | | 1 |
| PC13.    Remove the roller lapping manually or with tools provided, without damaging the cots | 5 | 1 | 3 | | 1 |
| PC14.    Remove the wastes in the clearer rollers on a timely basis | 3 | 1 | 2 | | 0 |
| PC15.    Collect the wastes in the waste collection chamber and depositing in the waste collection box | 3 | 1 | 1 | | 1 |
| PC16.    Clean the waste collection chamber | 4 | 1 | 2 | | 1 |
| PC17.    Clean the alley around the ring frame machine using proper cleaning equipments | 3 | 1 | 1 | | 1 |
| PC18.    Ensure the wastes collected from different parts of machine are deposited in the respective dustbins | 3 | 1 | 1 | | 1 |
| PC19.    Ensure the ring frame department is neat and clean | 3 | 1 | 1 | | 1 |
| PC20.    Ensure proper functioning of machine | 3 | 1 | 1 | | 1 |
| PC21.    Check and verify the quality of different machine parts | 4 | 1 | 2 | | 1 |
| PC22.    Inform forremoval of the worn out parts and ensure replacement with new parts in ring frame machine | 3 | 1 | 1 | | 1 |
| PC23.    Inform forremoval of removing and replacing worn out cots | 3 | 1 | 1 | | 1 |
| PC.24. Traveller mounting responsibilities | 3 | 1 | 1 | | 1 |
| PC25.    Set the traveller on ring | 4 | 1 | 3 | | 0 |
| PC26.    Set the drafting zone | 4 | 1 | 3 | | 0 |
| PC27.    Identify end brake for traveller fly. | 4 | 1 | 3 | | 0 |
| PC28.    Take traveller in traveller tray | 4 | 1 | 2 | | 1 |
| PC29.    Check correct traveller and confirm the count board | 4 | 1 | 2 | | 1 |
| PC30.    Apply brake and fix traveller and release the brake | 4 | 1 | 2 | | 1 |
| PC31.    Replace traveller during count change and as per instructions of supervisor / maintenance incharge | 4 | 1 | 2 | | 1 |
| PC32.    Oil the different parts of ring frame machine on need basis | 3 | 1 | 1 | | 1 |
| PC33.    Ensure proper setting of pneumafil pipe setting | 3 | 1 | 1 | | 1 |
| PC34.    Remove roller lapping (top & bottom) | 4 | 1 | 2 | | 1 |
| PC35.    Identify end brakes for roller lapping and remove lapping | 4 | 1 | 2 | | 1 |
| PC36.    Remove the top clearer roller to check cops ,empties floor | 4 | 1 | 2 | | 1 |
| PC37.    Check cross roving | 4 | 1 | 2 | | 1 |
| PC38.    Check top arm lifting | 4 | 1 | 2 | | 1 |
| PC39.    Check ohtc air blowing | 3 | 1 | 1 | | 1 |
| PC40.    Check bottom apron ,top apron, spacer | 4 | 1 | 2 | | 1 |
| PC41.    Remove the roller lapping manually without damaging the cots | 4 | 1 | 2 | | 1 |
| PC42.    In case of burnt out travelers, ensure that only the correct size of traveler is used for replacement. | 5 | 2 | 2 | | 1 |
| PC43.    Notice damaged bobbins and reuse | 4 | 1 | 2 | | 1 |
| PC44.    If any quality affecting points noticed, report it to supervisors like missing spacers, spindle vibration damaged aprons, defective cots etc. | 4 | 1 | 2 | | 1 |
| PC45.    Ensure that ohtc is working | 3 | 1 | 1 | | 1 |
| PC46.    Carry out preventive maintenance activities at the specified intervals | 4 | 1 | 2 | | 1 |
| PC47.    Verify the proper build of the roving bobbin | 3 | 1 | 1 | | 1 |
| PC48.    Supportthe doffer while carrying out doffing activities | 4 | 1 | 2 | | 1 |
| PC49.    Record the production details in the production report | 4 | 1 | 2 | | 1 |
| PC50.    Report to the supervisor in case of emergency stoppage of machine | 4 | 1 | 1 | | 2 |
| PC51.    Report to the supervisor and maintenance incharge if the operator was able to replace the worn out machine part with a new one. | 4 | 1 | 1 | | 2 |
| PC52.    Support the maintenance team while machine is under maintenance | 4 | 1 | 1 | | 2 |
| PC53.    Ensuring all details related to production are provided the next shift operator while relieving | 4 | 2 | 1 | | 1 |
| PC54.    Ensure count wise storage of wound bobbin without damaging the roving | 4 | 1 | 2 | | 1 |
| **Total** | **200** | **56** | **93** | | **51** |
|  | **Weightage %** | 200 | 28 | 46.5 | | 25.5 |
|  | | | | | | | |
| **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 |
| 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 %** | 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 | 4 | 2 | 1 | | 1 |
| PC3. be effective and efficient at workplace | 4 | 1 | 2 | | 1 |
| PC4. properly communicate about company policies | 4 | 1 | 1 | | 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 | 2 | | 1 |
| PC9. give due importance to others’ point of view | 4 | 1 | 2 | | 1 |
| PC10. avoid conflicting situations | 4 | 1 | 2 | | 1 |
| PC11. develop new ideas for work procedures | 5 | 2 | 2 | | 1 |
| PC12. improve upon the existing techniques to increase process efficiency | 4 | 1 | 2 | | 1 |
| **Total** | **50** | **16** | **19** | | **15** |
|  | **Weightage %** | 50 | 32 | 38 | | 30 |
|  | | | | | | | |
| **7.TSC/N9003 (Comply with 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 %** | 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 |
| 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 %** | 50 | 36 | 38 | | 26 |
| **Grand Total** | | **750** | | | | | |