

Model Curriculum

Shuttle less loom fitter – water jet

SECTOR: TEXTILE
SUB-SECTOR: WEAVING
OCCUPATION: WEAVING
REF ID: TSC/Q 2407, V1.0
NSQF LEVEL: 5



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the **TEXTILE**

SECTOR SKILL COUNCIL for the

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: 'Shuttle less loom fitter water jet'
QP No. 'TSC/Q 2407' **NSQF Level 5**

Date of Issuance: **April, 24th, 2016**

Valid up to: **April, 1st, 2019**

* Valid up to the next review date of the Qualification Pack



(Dr. Swapna Mishra)
Director (C&T)

(Textile Sector Skill Council)

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Shuttle less loom fitter – water jet

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “shuttle less loom fitter water jet”, in the “Textile” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Shuttle less loom fitter – water jet		
Qualification Pack Name & Reference ID.	Shuttle less loom fitter – water jet TSC/Q2407, version 1.0		
Version No.	1.0	Version Update Date	24-04-2016
Pre-requisites to Training	Preferably equivalent to 10th (Normal literacy of reading, writing and understanding)		
Training Outcomes	<ul style="list-style-type: none"> • This unit is about taking charge of shift from previous shift fitter and relieving the responsibilities to the next shift fitter • This unit provides performance criteria ,knowledge& understanding and skills & abilities required to maintain Water jet Loom. • This unit is about maintaining work areas and activities to ensure tools and machines are maintained as per norms. • This unit is about working as part of a team in the textile industry. • This unit is about maintaining health, safety, and security standards at workplace. • This unit is about knowing, understanding, and complying with the requirements of the organization and the textle industry. 		

This course encompasses 6 out of 6 National Occupational Standards (NOS) of “shuttle less loom fitter – water jet” Qualification Pack issued by “TSC: Textile Sector Skill Council”

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Taking charge of shift and handing over shift to shuttle less loom fitter – water jet</p> <p>Theory Duration (hh:mm) 09:00</p> <p>Practical Duration (hh:mm) 35:00</p> <p>Corresponding NOS Code TSC/N 2413</p>	<ul style="list-style-type: none"> • Come atleast 10 - 15 minutes earlier to the work spot. • ensure that the necessary tools, gauges etc, are in place. • meet the previous shift fitter, discuss with Him regarding the issues faced by him with respect to the quality or production or spare or safety or any other specific instruction etc. • check for the availability of the Weft & the condition of the same. • check the working condition of the Weft Feeders. • check the fabric defects on cloth. • check for the correct functions of Centre Cutter, Side Cutter etc., wherever they are in use. • check for the proper functioning of the Lino units. • check whether ends are drawn properly in catch cord. • check the condition of the running beams , for cross ends, ends pulling out particularly at the selvedge. • check the jet pressure in the main Valve. • Note down the break downs. • check for the size of the Cloth Rolls & to see whether any indication is there in the cloth rolls. • check the cleanliness of the machines & other work areas. • check whether any spare/raw material/ tool / fabric/ any other material are thrown under the machines or in the other work areas. • question the previous shift Fitter 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. • hand over the shift to the incoming Fitter in a proper manner & get clearance from the incoming counterpart before leaving the work spot. 	<p><u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>

		<ul style="list-style-type: none"> report to His shift superiors as well as that of the incoming shift, in case His/ Her counterpart doesn't come for the incoming shift. In that case, the shift has to be properly handed over to the incoming shift Superior & get clearance from him before leaving the work spot. report to His shift Superior about the quality / production / safety issues/ any other issue faced in His/ Her shift and should leave the department only after getting concurrence for the same from His/ Her superiors. 	
2	<p>Maintain shuttle-less loom Water jet</p> <p>Theory Duration (hh:mm) 33:00</p> <p>Practical Duration (hh:mm) 101:00</p> <p>Corresponding NOS Code TSC/N 2414</p>	<ul style="list-style-type: none"> ensure that the production is commenced only after the sample is approved. ensure that bulk production is started only after the first roll is approved. ensure that Warp Stop motion functions properly, so that no end out problem, warp float etc. doesn't occur on the fabrics. ensure that Weft stop motion functions properly so that fabrics don't get rejected due to weft crack. maintain Take – Up & Let-Off mechanisms properly so that fabrics don't get rejected due to let-off faults, take-up faults etc. ensure proper functioning of stop motions, Back Rest, Shedding etc., so that fabrics are free from defects like starting mark, bad shedding etc. maintain temple setting, reed setting so that fabrics don't get rejected for reasons like "temple cut", temple mark", Reed mark". attend the other fabric defects like " Tails", " Under Tuck In" " Drop Pick" , " Cloth Torn" " Weft Stitches" " floats" etc. attend excessive weft breaks. attend to Weft Transfer failures. attend excessive warp breaks. attend to loom stoppages due to " Airjet getting Jammed see that the condition of Heald wires, Heald Frames, reed etc. are in good condition. see that the loom runs with the actual required belts and should see that there is no slippage in the same, so as to ensure that the loom works in the recommended speed. see that replenishment of spares or attending to break downs is done in the prescribed time. ensure required humidity in the loom shed. 	<p><u>1. common for every batch:</u> Water jet loom, suitable yarn package, Empty fabric rolls</p> <p><u>2.Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>

		<ul style="list-style-type: none"> • The check the sort change loom & ensure that drawing & reaching was carried out without any cross ends. • ensure “Loom Breakage Study” and check the quality of both warp & weft yarn. For any deviation the same has to be brought to the knowledge of the higher authority • check the Sizing quality and for any deviation, the same has to be brought to the notice Of the higher authority. • ensure proper dropper cleaning. • ensure that the looms are cleaned properly as per the below schedule • Daily cleaning • Cleaning during Knotting • Cleaning during Sort Changes • check the oil level on weekly basis. • change the oil on yearly basis • correct “ Oil Leakages” • take “ Revision” during knotting • carry out preventive maintenance as per the schedule. • ensure the life of all the spares through effective maintenance. • maintain “Spare Changing Details” note, for the following details. <ul style="list-style-type: none"> a) Loom No. b) Name Of The Spare c) Side (If any) d) Part No. e) Name Of the Supplier f) Make g) Date of Application h) Date Of Removal i) Reason For Removal j) Life Of Item • salvage the “Broken Spare “& to avail new spare, only after producing the “Old Spare to the Stores. • maintain “ Sort Muster” as per the below details <ul style="list-style-type: none"> aa) Loom No. ab) Construction Details ac) Warp Material details ad) Warp Count ae) Warp Mill Name af) Warp Yarn Test Report(Test Parameters <ul style="list-style-type: none"> ag) Reed Used ah) Total Ends Used ai) Name Of The Sizing aj) Warping Breakage Rate ak) Average Warp Count al) Size Pick Up 	
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		<p>am) Warp break/ loom hour an) Weft Material Details ao) Weft Count ap) Weft Mill Name aq) Weft Yarn Test Report(Test Parameters) ar) Reed Space as) Weft breakage per loom hour] at)Average Loom Efficiency au) Loom Speed av) Average Production in Kilo Picks/loom day aw) Production in metres/loom day</p> <p>ax) Date of knotting ay) Knotted metres az) Date of exhaustion ba)Produced metres bb)Warp Crimp bc) Warp Consumption/metre (Excluding Size Add On) bd) Warp Wt in kgs/ metre (Including Size add on) be) Weft Consumption/metre bf) Total cloth wt in kgs/ metre bg) GSM bh) Fabric doffed bi) Fabric inspected bj) Fabric Passed bk) Fabric Rejected bl) Rejection % bm) Reason For Rejection bn) Warp Waste % bo) Weft Waste %</p> <ul style="list-style-type: none"> maintain effective working of "Generator" and RO water plant see that " Air" is not misused Can use air for cleaning, only in the areas, where it is allowed ensure proper maintenance of " Air Compressor" Should ensure that " Loom Cards " for all the required details are placed on all the looms <p>a) Loom No. b) Construction details c) Reed Count d) Reed Space e) Weft Count f) Pick Wheel g) Winding Spindle No. h) Drawing Method</p> <ul style="list-style-type: none"> See that the weft yarn is completely used, without giving room for additional wastage of raw materials. For any quality issue or defective cone etc., the same has to be brought to the notice of the superiors. 	
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		<ul style="list-style-type: none"> • maintain “ Knotting Entry Note” with the following details <ul style="list-style-type: none"> a) Loom No. b) Construction Details c) Date Of Knotting d) Time of Exhaustion e) Cleaning Completed Time f) Beam Loading Completed Time g) Knotting Completed Time h) Loom Run Time i) Total Stopped Time For Knotting j) Name Of the Sizing k) Set No. l) Beam Nos. m) Beam Metres n) Old Warp Waste kgs o) New Warp Waste kgs p) Cleaning Quality q) Knotting Quality • Ensure temperature (25°C) Relative Humidity (65%) in the Department is maintained to. • Should ensure correct quality of thrums is there & see that the same are properly tied. • check the knotted loom for knotting quality etc. Double ends have to be removed Should report to Superiors for any deviation in the same & for any other quality issue. • Check all the safety covers are placed. • ensure that cloth rolls are doffed whenever/ wherever necessary. • give preference to safety. Should not enter the area, where He/ She are not allowed. Should not do a job in which training has not being given. • ensure that no raw material/ cloth/ spare/ tool / any other material is thrown under/ near the machines or in the other work areas. • Maintain six monthly lubrication schedule as recommended by the machine manufacturer • Maintain water jet pressure by maintaining pump and jet. • Maintain T.D.S. of water at water softening plant as per norms • Ensure the proper water conductivity as per norms • Regular checking of the following should be maintain <ul style="list-style-type: none"> • heald level at 355 • beat up at 0 • crammer is open at 110 • crammer is closed at 250 • Maintain flying angle between 130 to 140 depending up on the width of the loom 	
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<p>3</p>	<p>Maintain work area, tools and machines</p> <p>Theory Duration (hh:mm) 18:00</p> <p>Practical Duration (hh:mm) 26:00</p> <p>Corresponding NOS Code TSC/N 9001</p>	<ul style="list-style-type: none"> • Handle materials, machinery, equipment and tools with care and use them in the correct way • Use correct lifting and handling procedures. • Use materials to minimize waste. • Maintain a clean and hazard free working area. • Maintain tools and equipment. • Carry out running maintenance within agreed schedules. • Carry out maintenance and/or cleaning within one's responsibility. • Report unsafe equipment and other dangerous occurrences. • Ensure that the correct machine guards are in place. • Work in a comfortable position with the correct posture. • Use cleaning equipment and methods appropriate for the work to be carried out. • Dispose of the waste safely in the designated location. • Store cleaning equipment safely after use. • Carry out cleaning according to schedules and limits of responsibility. 	<p><u>1. common for every batch:</u> poster/video visuals for work method</p> <p><u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>
<p>4</p>	<p>Working in a team</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 29:00</p> <p>Corresponding NOS Code TSC/N 9002</p>	<ul style="list-style-type: none"> • Be accountable to your role in whole process. • Perform all roles with full responsibility. • Be effective and efficient at workplace • Properly communicate about company policies. • Report all problems faced during the process. • Talk politely with other team members and colleagues. • Submit daily report of own performance • Adjust in different work situations. • Give due importance to others' point of view. • Avoid conflicting situations • Develop new ideas for work procedures • Improve upon the existing techniques to increase process efficiency 	<p><u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>

<p>5</p>	<p>Maintain health, safety and security at work place</p> <p>Theory Duration (hh:mm) 31:00</p> <p>Practical Duration (hh:mm) 59:00</p> <p>Corresponding NO Code TSC/N 9003</p>	<ul style="list-style-type: none"> • Comply with health and safety related instructions applicable to the workplace. • Use and maintain personal protective equipment such a hear plug, nose mask, and head cap etc., as per protocol. • Carryout own activities in line with approved guidelines and procedures. • Maintain a healthy lifestyle and guard against depend upon intoxicants. • Follow environment management system related procedures. • Identify and correct (if possible) malfunctions in machinery and equipment. • Report any service malfunctions that cannot be rectified. • Store materials and equipment in line with organizational requirements. • Safely handle and remove waste. • Minimize health and safety risks to self and others due to own actions. • Seek clarifications from supervisors of the authorized personnel in case of perceived risks. • Monitor the workplace and work processes for potential risks and there at. • Carryout periodic walk-through to keep work area free from hazards and obstructions, if assigned. • Report hazards and potential risks/ threats to supervisors the authorized personnel. • Participate in mock drills/evacuation procedures organized at the workplace. • Under take first aid, fire-fighting and emergency response training, if asked to do so. • Take action based on instructions in the event of fire, emergencies or accidents. • Follow organization procedures for shutdown and evacuation when required To be competent, you must be able to. • Identify different kinds of possible hazards(environmental, personal, ergonomic and chemical)of the industry. 	<p><u>1. A sample of following items for each trainee:</u></p>
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6	<p>Comply with industry and organizational requirement</p> <p>Theory Duration (hh:mm) 16:00</p> <p>Practical Duration (hh:mm) 28:00</p> <p>Corresponding NOS Code TSC/N 9004</p>	<ul style="list-style-type: none"> • Perform own duties effectively. • Take responsibility for own actions. • Be accountable towards the job role and assigned duties. • Take initiative and innovate the existing methods. • Focus on self-learning and improvement. • Co-ordinate with all the team members and colleagues. • Communicate politely. • Avoid conflicts and miscommunication. • Know the organizational standards. • Implement them in your performance. • Motivate others to follow them • Know the industry standards. • Align them with organization standards. 	<p>Class room requirements: 25 people seating capacity with a screen and projector</p>
	<p>Total Duration: 400:00</p> <p>Theory Duration 122:00</p> <p>Practical Duration 278:00</p>	<p>Unique Equipment Required: bale truck, trolley for collecting mixing, safety door opening key, working key, air hose, cleaning hook, cleaning brush, sweep stick apron, head cap, nose mask, ear plug, shoe, first aid materials, fire extinguisher, work method posters, work method video visuals, projector, screen</p>	

Grand Total Course Duration: 400 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by TSC: Textile Sector Skill Council)

Annexure: Assessment Criteria

Job Role: Shuttle-Less Loom Fitter – Water jet

Qualification Pack: TSC/Q 2407

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 center (as per assessment criteria below).
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria
5. To pass the qualification pack, every trainee should achieve 70 % in every NOS
6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Skills Practical	Theory	Viva
1.TSC/N 2413 (Taking charge of shift and handing over shift to Shuttle less Loom Fitter Water jet)	PC1. Come atleast 10 - 15 minutes earlier to the work spot .	75	3	2	0	1
	PC2. Should ensure that the necessary tools, gauges etc, are in place		5	2	2	1
	PC3. meet the previous shift weaver , 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	3	1	0
	PC4. Should check for the availability of the Weft & the condition of the same.		4	3	1	0
	PC5. Should check the working condition of the Weft Feeders.		4	3	0	1

	PC6. Check the fabric defects on cloth.		3	2	0	1
	PC7. Check for the correct functions of Centre Cutter, Side Cutter etc., wherever they are in use.		5	3	1	1
	PC8. To check for the proper functioning of the Lino units.		3	3	0	0
	PC9. To check whether ends are drawn properly in catch cord.		4	3	1	0
	PC10 Should check the condition of the running beams , for cross ends, ends pulling out particularly at the selvages		3	2	1	0
	PC11. To check the water quality in the main Valve		4	2	1	1
	PC12. Note down the break downs.		5	3	2	0
	PC13. Should check for the size of the Cloth Rolls & to see whether any indication is there in the cloth rolls.		6	3	2	1
	PC14. Should check the cleanliness of the machines & other work areas.		5	3	1	1
	PC15. Should check whether any spare/raw material/ tool / fabric/ any other material are thrown under the machines or in the other work areas.		4	2	1	1
	PC16. Should question the previous shift Fitter 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	2	0	1
	PC17. Should hand over the shift to the incoming Fitter in a proper manner & get clearance from the incoming counterpart before leaving the work spot.		2	2	0	0
	PC18. Should report to His shift superiors as well as that of the incoming shift, in case His/ Her counterpart doesn't come for the incoming shift. In that case, the shift has to be properly handed over to the incoming shift Superior & get clearance from him before leaving the work spot.		5	3	1	1

	PC19. Should report to His shift Superior about the quality / production / safety issues/ any other issue faced in His/ Her shift and should leave the department only after getting concurrence for the same from His/ Her superiors.		3	2	1	0
	Total		75	48	16	11
	Weightage %			64%	21%	15%
2. TSC/N 2414 (Maintain shuttle-less loom -Water jet)	PC1. ensure that the production is commenced only after the sample is approved.	175	3	2	0	1
	PC2. ensure that bulk production is started only after the first roll is approved.		3	2	0	1
	PC3. ensure that Warp Stop motion functions properly, so that no end out problem, warp float etc. doesn't occur on the fabrics.		3	2	0	1
	PC4. ensure that Weft stop motion functions properly so that fabrics don't get rejected due to weft crack.		4	2	1	1
	PC5. maintain Take – Up & Let-Off mechanisms properly so that fabrics don't get rejected due to let-off faults, take-up faults etc.		3	2	1	0
	PC6. ensure proper functioning of stop motions, Back Rest, Shedding etc., so that fabrics are free from defects like starting mark, bad shedding etc.		5	2	2	1
	PC7. maintain temple setting, reed setting so that fabrics don't get rejected for reasons like "temple cut", temple mark", Reed mark".		4	2	1	1
	PC8. attend the other fabric defects like "Tails", " Under Tuck In" " Drop Pick" , " Cloth Torn" " Weft Stitches" " floats" etc.		3	2	0	1
	PC9. attend excessive weft breaks.		2	2	0	0
	PC10. attend to Weft Transfer failures.		4	2	2	0

	PC11. attend excessive warp breaks.		5	3	1	1
	PC12. attend to loom stoppages due to “Jammed”		4	2	1	1
	PC13. see that the condition of Heald wires, Heald Frames, reed etc. are in good condition.		5	3	2	0
	PC14. see that the loom runs with the actual required belts and should see that there is no slippage in the same, so as to		7	4	2	1

	ensure that the loom works in the recommended speed.				
	PC15. see that replenishment of spares or attending to break downs is done in the prescribed time.	2	2	0	0
	PC16. ensure required humidity in the loom shed.	3	2	0	1
	PC17. check the knotted looms & ensure that knotting is carried out without cross ends.	3	2	1	0
	PC18. check the sort change loom & ensure that drawing & reaching was carried out without any cross ends.	4	2	1	1
	PC19. ensure "Loom Breakage Study" and check the quality of both warp & weft yarn. For any deviation the same has to be brought to the knowledge of the higher authority	7	4	2	1
	PC20. check the Sizing quality and for any deviation, the same has to be brought to the notice Of the higher authority.	6	3	2	1
	PC21. ensure proper dropper cleaning.	2	2	0	0
	PC22. ensure that the looms are cleaned properly as per the below schedule • Daily cleaning • Cleaning during Knotting • Cleaning during Sort Changes	4	2	2	0
	PC23. check the oil level on weekly basis.	3	2	1	0
	PC24. change the oil on yearly basis	6	3	2	1
	PC25. correct " Oil Leakages"	5	4	1	0
	PC26. take " Revision" during knotting	5	4	0	1
	PC27. carry out preventive maintenance as per the schedule.	3	2	1	0
	PC28. ensure the life of all the spares through effective maintenance.	3	2	1	0
	PC29. maintain "Spare Changing Details" note, for the following details. a) Loom No. b) Name of The Spare c) Side (If any) d) Part No. e) Name of the Supplier f) Make g) Date of Application h) Date of Removal	6	3	2	1

<p>i) Reason For Removal j) Life Of Item</p>						
	<p>PC30. remove the "Broken Spare"& avail new spare, only after producing the "Old Spare" to the Stores.</p>	3	2	1	0	
	<p>PC31. maintain " Sort Muster" as per the below details aa) Loom No. ab) Construction Details ac) Warp Material details ad) Warp Count ae) Warp Mill Name af) Warp Yarn Test Report (Test Parameters) ag) Reed Used ah) Total Ends Used ai) Name Of The Sizing aj) Warping Breakage Rate ak) Average Warp Count al) Size Pick Up am) Warp break/ loom hour an) Weft Material Details ao) Weft Count ap) Weft Mill Name aq) Weft Yarn Test Report(Test Parameters) ar) Reed Space as) Weft breakage per loom hour at) Average Loom Efficiency au) Loom Speed av) Average Production in Kilo Picks/loom day aw) Production in meters/loom day ax) Date of knotting ay) Knotted meters az) Date of exhaustion ba) Produced meters bb) Warp Crimp bc) Warp Consumption/meter (Excluding Size Add On) bd) Warp Wt in kgs/ meter (Including Size add on) be) Weft Consumption/meter bf) Total cloth wt in kgs/ meter bg) GSM bh) Fabric doffed</p>	6	3	2	1	
	<p>bi) Fabric inspected bj) Fabric Passed bk) Fabric Rejected bl) Rejection % bm) Reason For Rejection bn) Warp Waste % bo) Weft Waste %</p>					

	PC32. Maintain effective working of "Generator".		3	2	1	0
	PC33. Should see that " Air" is not misused Can use air for cleaning, only in the areas, where it is allowed		4	2	2	0
	PC34. ensure proper maintenance of " Air Compressor".		4	2	1	1
	PC35. Should ensure that "Loom Cards" for all the required details are placed on all the looms a) Loom No. b) Construction details c) Reed Count d) Reed Space e) Weft Count f) Pick Wheel g) Winding Spindle No. h) Drawing Method		6	3	2	1
	PC36. Should see that the weft yarn is completely used, without giving room for additional wastage of raw materials. For any quality issue or defective cone etc., the same has to be brought to the notice of the superiors.		2	2	0	0
	PC37. maintain " Knotting Entry Note" with the following details a) Loom No b) Construction Details c) Date Of Knotting d) Time of Exhaustion e) Cleaning Completed Time f) Beam Loading Completed Time g) Knotting Completed Time h) Loom Run Time i) Total Stopped Time For Knotting j) Name Of the Sizing k) Set No. l) Beam Nos. m) Beam Meters n) Old Warp Waste kgs o) New Warp Waste kgs		6	3	2	1
	p) Cleaning Quality q) Knotting Quality					
	PC38. ensure Relative Humidity in the Department is maintained.		2	2	0	0
	PC39. should ensure correct quality of thrums is there & see that the same are properly tied.		2	2	0	0
	PC40. should check the knotted loom for knotting quality etc. Double ends have to be removed Should report to Superiors for any deviation in the same & for any other quality issue.		2	2	0	0

	PC41. check all the safety covers are placed.		3	2	1	0
	PC42. Check the water conductivity		2	2	0	0
	PC43. check the TDS of water		3	3	0	0
	PC44. checking of heald leveling, beat up, crammer etc.		3	2	1	0
	PC45. should ensure that cloth rolls are doffed whenever/ wherever necessary.		2	2	0	0
	PC46. should give preference to safety. Should not enter the area, where He/ She are not allowed. Should not do a job in which training has not being given.		3	1	1	1
	PC47. should ensure that no raw material/ cloth/ spare/ tool / any other material is thrown under/ near the machines or in the other work areas.		2	1	0	1
	Total		175	109	43	23
	Weightage %			62%	39%	13%
3. TSC/N 9001 (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%	
4. TSC/N 9002 (Working in a team)	PC1. be accountable to the own role in whole process	50	5	3	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	2	1	1	
	PC9. give due importance to others' point of view		4	1	1	2	
	PC10. avoid conflicting situations		4	1	2	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%
5. TSC/N 9003 (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 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 manufacturer's and organizational requirements		4	1	2	1
	PC9. safely handle and move waste and debris		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 threats		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 organization procedures for shutdown and evacuation when required		4	2	1	1
	PC19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry		4	2	1	1
	PC20. recognize other possible security issues existing in the workplace		4	2	1	1
	PC21. recognize different measures to curb the hazards		4	2	1	1
	PC22. communicate the safety plan to everyone		4	2	1	1
	PC23. attach disciplinary rules with the implementation		4	2	1	1
	Total		100	43	34	23
	Weightage %			43%	34%	23%
6. TSC/N 9004 (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 organizational standards		4	2	1	1
	PC10. implement them in your performance		4	1	2	1
	PC11. motivate others to follow them		3	1	1	1
	PC12. know the industry standards		4	3	1	0
	PC13. align them with organization standards		4	2	1	1
	Total		50	18	19	13
	Weightage %			36%	38%	26%
	Total		500	250	150	100
Grand Total			750			