

Textile Post Processing Machine Operator

- ☒ Short Term Training (STT) ☐ Long Term Training (LTT) ☒ Apprenticeship
☒ Upskilling ☐ Dual/Flexi Qualification ☐ For ToT ☐ For ToA
☒ General ☐ Multi-skill (MS) ☐ Cross Sectoral (CS) ☐ Future Skills ☐ OEM

NCrF/NSQF Level: 2

Submitted By:

Textile Sector Skill Council

Contact Details:

Dr. Swapna Mishra
Chief Executive Officer,
M: 98182-17453

Textile Sector Skill Council,
Unit 1011-1013, 10th Floor, Ambadeep Building,
14 Kasturba Gandhi Marg,
New Delhi – 110001.

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Section 1: Basic Details

1.	Qualification Name	Textile Post Processing Machine Operator	
2.	Sector/s	Textile & Handlooms	
3.	Type of Qualification ☐ New ☒ Revised ☐ Has Electives/ Options ☐ OEM	NQR Code & version of the existing /previous qualification: QG-02-TX-01895-2024-V1.1-TSC	Qualification Name of the existing/previous version: Textile Post Processing Machine Operator
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA NA	
5.	National Qualification Register (NQR) Code & Version	QG-02-TX-04098-2025-V2-TSC	6. NCrF/NSQF Level: 2
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other) (Wherever applicable specify multiple entry/exits also & provide details in annexure)	Certificate	
8.	Brief Description of the Qualification	A Textile Post Processing Machine Operator is responsible to do the specified job of post processing dyed /bleached, RFD fabric with proper control of parameters to get the desired effect. This job requires the individual to have thorough knowledge of process flow and material flow in a processing mill for fabric production and should know the important functions and operations of textile post processing Machines.	

9.	Eligibility Criteria for Entry for a Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table border="1" data-bbox="793 233 1789 412"> <tr> <th data-bbox="793 233 898 370">S. No.</th> <th data-bbox="898 233 1360 370">Academic/Skill Qualification (with Specialization - if applicable)</th> <th data-bbox="1360 233 1789 370">Relevant Experience (with Specialization - if applicable)</th> </tr> <tr> <td data-bbox="793 370 898 412">1</td> <td data-bbox="898 370 1360 412">Ability to read and write</td> <td data-bbox="1360 370 1789 412">Nil</td> </tr> </table> 18 Years				S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Relevant Experience (with Specialization - if applicable)	1	Ability to read and write	Nil						
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Relevant Experience (with Specialization - if applicable)															
1	Ability to read and write	Nil															
10	Credits Assigned to this NOS- Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	9 Credits		11. Common Cost Norm Category (I/II/III) (wherever applicable): I													
12.	Any Licensing Requirements for Undertaking Training on This Qualification	Not Applicable															
13	Training Duration by Modes of Training Delivery (Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)	☒ Offline Only ☐ Online Only ☐ Blended <table border="1" data-bbox="1073 971 1759 1182"> <tr> <th data-bbox="1073 971 1318 1076">Training Delivery Mode</th> <th data-bbox="1318 971 1472 1076">Theory (Hours)</th> <th data-bbox="1472 971 1625 1076">Practical (Hours)</th> <th data-bbox="1625 971 1759 1076">Total (Hours)</th> </tr> <tr> <td data-bbox="1073 1076 1318 1146">Classroom (offline)</td> <td data-bbox="1318 1076 1472 1146">87</td> <td data-bbox="1472 1076 1625 1146">183</td> <td data-bbox="1625 1076 1759 1146">270</td> </tr> <tr> <td data-bbox="1073 1146 1318 1182">Online</td> <td data-bbox="1318 1146 1472 1182">-</td> <td data-bbox="1472 1146 1625 1182">-</td> <td data-bbox="1625 1146 1759 1182">-</td> </tr> </table> (Refer Blended Learning Annexure for details)				Training Delivery Mode	Theory (Hours)	Practical (Hours)	Total (Hours)	Classroom (offline)	87	183	270	Online	-	-	-
Training Delivery Mode	Theory (Hours)	Practical (Hours)	Total (Hours)														
Classroom (offline)	87	183	270														
Online	-	-	-														

14.	Aligned to NCO/ ISCO Code/s (if no code is available mention the same)	NCO-2015/8154.05	
15.	Progression Path After Attaining the Qualification, wherever applicable <i>(Please show Professional and Academic progression)</i>	Assistant Fitter - Processing	
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	Hindi	
17.	Is similar NOS available on NQR-if yes, justification for this qualification	☐ Yes ☒ No URLs of similar Qualifications:	
18.	Is the NOS Amenable to Persons with Disability	☐ Yes ☒ No If "Yes", specify applicable type of Disability:	
19.	How participation of women will be encouraged?	This Qualification/NOS is made suitable for all categories of learners including the individuals, Students, professionals with the prescribed entry qualification.	
20.	Are Greening/ Environment Sustainability Aspects Covered (Specify the NOS/Module which covers it)	☒ Yes ☐ No TSC/N9015 - Follow machine, safety and organizational guidelines in textile sector TSC/N9016 - Follow teamwork, adaptability, and communication guidelines in textile sector	
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools ☐ Yes ☒ No Colleges ☐ Yes ☒ No	
22.	Name and Contact Details Submitting / Awarding Body SPOC <i>(In case of CS or MS, provide details of both Lead AB & Supporting ABs)</i>	Name: Mr. Vignesh Raja Email: raja@texskill.in Contact No.: 7502954383 Website: https://texskill.in/	
23.	Final Approval Date by NSQC: 08.05.2025	24. Validity Duration: 3 years	25. Next Review Date: 08.05.2028

Section 2: Module Summary

NOS/s of Qualifications

(In exceptional cases these could be described as components)

Mandatory NOS/s:

Specify the training duration and assessment criteria at NOS/ Module level. For further details refer curriculum document.

Th.-Theory **Pr.**-Practical **OJT**-On the Job **Man.**-Mandatory Training **Rec.**-Recommended Proj.-Project

S. n o	NOS Module Name	NOS/Module Code & Version (if applicable)	Core/ Non Core	NCrF / NSQF Level	Credit as per NCrF	Training Duration					Assessment Marks					
						Th.	Pr.	OJT . Man	OJ T. Rec	Total	Th.	Pr.	Proj .	Viv a	Total	Weightage (if applicable)
1	Follow machine, safety and organizational guidelines in textile sector	TSC/N9015,V 2.0	Non Core	4	2.5	25	50			75	65	80		50	195	20
2	Follow teamwork, adaptability, and communication guidelines in textile sector	TSC/N9016,V 2.0	Non Core	4	0.5	5	10			15	15	20		10	45	5
3	Employability Skills	DGT/VSQ/N0101, V 1.0	Non Core	2	1	12	18			30	20	30			50	5
Duration (in Hours) / Total Marks					4	42	78			120	100	130		60	290	30

S. no	NOS Module Name	NOS/Module Code & Version (if applicable)	Core/ Non Core	NCrF/ NSQF Level	Credit as per NCrF	Training Duration					Assessment Marks					
						Th.	Pr.	OJT. Man	OJT. Rec	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (if applicable)
1	Carryout shift change, production and quality analyse at washing range department	TSC/N5410, V 1.0	Core	2	5	45	105			150	200	410		50	660	70
2	Carryout shift change, production and quality analyse at drying range department	TSC/N5411, V 1.0	Core	2	5	45	105			150	200	410		50	660	70
3	Carryout shift change, folding and inspection activity at processed fabric folding department	TSC/N5412, V 1.0	Core	2	5	45	105			150	200	410		50	660	70
4	Carryout shift change, production and preparation of chemicals at balloon squeezer department	TSC/N5413, V 1.0	Core	2	5	45	105			150	200	410		50	660	70
5	Carryout shift change, production and quality analyse at calendar department	TSC/N5414, V 1.0	Core	2	5	45	105			150	200	410		50	660	70
	Duration (in Hours) / Total Marks				25	225	525			750	1000	2050		250	3300	350

[illegible]

Assessment - Minimum Qualifying Percentage**Please specify any one of the following:**Minimum Pass Percentage – Aggregate at qualification level: **50%**

Pass Percentage of the Qualification is scheme specific, Unless specified by scheme, it is 50% or else scheme guidelines will override it.

(Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) <i>(as per NCVET guidelines)</i>	• Ability to read & and write with 5 years of relevant experience (Min 1 year in production + Min 4 years as trainer +) • Grade 8 with two years of (NTC/ NAC) with Successfully passed Trainer Qualification MEP/Q2601, v2.0– Trainer (VET and Skills), Minimum pass percentage 80 percent and TSC/Q5404, v3.0 Textile Post Processing Machine Operator, Minimum pass percentage 80 per cent
2.	Master Trainer's Qualification and experience in the relevant sector (in years) <i>(as per NCVET guidelines)</i>	Diploma/Degree/Masters/PhD in textile with at least 15/10/8/5 years of experience in textile sector with minimum 8/5/4/3 years in teaching/conducting training in Textile Research Associations, CoEs, Govt Textile organizations/ SIMA/ running textile mill
3.	Tools and Equipment Required for the Training	☒ Yes ☐ No <i>(If "Yes", details to be provided in Annexure)</i>
4.	In Case of Revised NOS, details of Any Upskilling Required for Trainer	Not Applicable

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	• Diploma (10th Class + 3 years) in the relevant trade with 4 years of relevant experience (or) • Diploma (12th Class +2 years) in the relevant trade with 3 year of relevant experience (or) • UG (3-years) in the relevant trade with 2 years of relevant experience with successfully passed MEP/Q2701, v2.0 – Assessor (VET and Skills), Minimum pass percentage 80 percent and TSC/Q5404, v3.0 Textile Post Processing Machine Operator, Minimum pass percentage 80 percent
2.	Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines), (wherever applicable)</i>	UG in any field
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	Diploma/Degree/Masters/PhD in textile with at least 15/10/8/5 years of experience in textile sector with minimum 8/5/4/3 years in teaching/conducting training in Textile Research Associations, CoEs, Govt Textile organizations/ SIMA/ running textile mill
4.	Assessment Mode <i>(Specify the assessment mode)</i>	Offline
5.	Tools and Equipment Required for Assessment	☐ Same as for training ☒ Yes ☐ No <i>(details to be provided in Annexure-if it is different for Assessment)</i>

Section 5: Evidence of the Need for the Qualification

Provide Annexure/Supporting documents name.

1.	Latest Skill Gap Study (not older than 2 years) (Yes/No): Yes. Link - https://texskill.in/map_22/map.html
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No): Yes Link - https://texskill.in/map_22/map.html
3.	Government /Industry initiatives/ requirement (Yes/No): Yes
4.	Number of Industry validation provided: 20
5.	Estimated number of people to be trained: 1000
6.	Evidence of Concurrence/Consultation with Line/State Departments (In case of regulated sectors): (Yes/No): Yes If "No", why:

Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrf/NSQF level justification based on NCrf/NSQF descriptors (Mandatory)	Attached. Annexure 1
2.	Annexure: List of tools and equipment relevant for NOS (Mandatory, except in case of online course)	Attached. Annexure 2
3.	Annexure: Detailed Assessment Criteria (Mandatory)	Attached. Annexure 6
4.	Annexure: Assessment Strategy (Mandatory)	Attached. Annexure 6
5.	Annexure: Blended Learning (Mandatory, in case selected Mode of delivery is Blended Learning)	Attached. Annexure 5

6.	Annexure: Multiple Entry-Exit Details (Mandatory, in case qualification has multiple Entry-Exit)	No
7.	Annexure: Acronym and Glossary (Optional)	Attached. Annexure 8
8.	Supporting Document: Model Curriculum (Mandatory – Public view)	Attached. Annexure 9
9.	Supporting Document: Career Progression (Mandatory - Public view)	Attached. Annexure 10
10.	Supporting Document: Occupational Map (Mandatory)	Attached. Annexure 11
11.	Supporting Document: Assessment SOP (Mandatory)	Attached. Annexure 7
12.	Any other document you wish to submit:	NA

Annexure 1: Evidence of Level

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrF/NSQF level descriptor	NCrF/NSQF Level
Professional Theoretical Knowledge/Process	Fundamental knowledge - Basic working/ operational knowledge in the area of work. - Understands basic materials, tools, applications in a limited context. - For self-help group member/ micro-entrepreneur basic working knowledge of business activity, raw material, finished product/ service, and local market. - Able to understand and perform repetitive tasks under instructions and supervision.	A textile post processing machine operator carry out process that are repetitive on regular basis and responsible to do the specified job of treating dyed/bleached or RFD fabric with proper control of parameters to get the desired effect. This operator knows about the causes that may result in machine faults and carries out routine cleaning and maintenance of the machine within his limits of responsibility to ensure that quality and productivity is maintained. For unprecedented situations, he has to report to the supervisor.	NSQF Level 2

	Understand the basic quality, safety and general hygiene norms. Familiarity with environmental aspects.	Hence NSQF Level is 2	
Professional and Technical Skills/ Expertise/ Professional Knowledge	Limited finite skills - Limited related skills in predefined context. - Performs structured tasks in a limited range of functional roles. - Uses known solutions to familiar problems. - Skill to identify and use relevant tools and materials in a limited context of work and quality. - For self-help group members, micro-entrepreneurs working skills for making or manufacturing (handicraft, traditional items, etc) service & marketing etc.	A textile post processing machine operator <i>understands context of work and quality</i> to understand process flow and material flow and safety standards in a typical textile processing unit and responsibilities of an operator. The operator should also know SOP of handling different fabric, the various defects in the fabric due to processing & their remedy. This operator should understand functions and methodology for operating different material handling equipment <i>in a limited context</i>, and should know various process parameters according to the process and fabric. Hence NSQF Level is 2	NSQF Level 2
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	Employment readiness - Ability to read and write and do simple computational math – numeracy and literacy. - Receive and transmit written and oral messages/ communication clearly. - Works within a team as assistant - Understanding of safety, hygiene and environment, social, political and religious diversity. - Have broader but basic Employability Skills including basic self-employment/ entrepreneurial Mind-set for mini businesses	A textile post processing machine operator should be able to <i>receive and transmit written and oral messages in local/regional language</i> for making daily work report, write grievance complaint application, comprehends written instructions, and communicates with the supervisor and others appropriately and convey information effectively. The operator must comprehend the regulations, natural, social and political environment of a typical processing unit. Hence NSQF Level is 2	NSQF Level 2

	Have understanding of use of Financial and Digital literacy, Aadhar and Mobile, digital payments etc.		
Responsibility	Assistant - Works mostly under instruction and supervision. - Limited responsibility for delivery and quality of work. - For self-help group members, micro-entrepreneurs (JSS) end to end responsibility of production and marketing in local markets.	A textile post processing machine operator works under instruction and close supervision takes charge of the shift after discussing in detail the issues faced with respect to the quality, production and safety, reports to the shift superior, maintaining work area, tools and machines and contributes in making the workplace healthy, safe and secure and follows the industry & organizational compliance. The textile post processing machine operator has no responsibility for own work and learning. Hence NSQF Level is 2	NSQF Level 2
Broad Learning Outcomes/Core Skill	Carry out the Predefined tasks - The candidate may carry out a job requiring limited range of routine and predictable activities. - Tasks are mostly performed under instructions and supervision - Focus on practice of skill and work, both predefined and new. - For self-help group members, micro- entrepreneurs (JSS) end to end clear understanding of process and delivery. - Understands basic safety and general hygiene norms.	A textile post processing machine operator assist in professional works like taking charge and handing over of the shift, operating the machine and ensuring quality production. This operator requires limited service skill to perform routine operations like operating the machine, carrying out preparatory activities for operations in the machine, ensure fabric is crease-less and evenly fed onto the machine continuous operation of machine, process parameters being checked in the machine to get good results. In case of unexpected faults or issues the operator will report to the shift supervisor. Hence NSQF Level is 2.	NSQF Level 2

Annexure 2: Tools and Equipment**List of Tools and Equipment**

Sr. No	Equipment Name	Minimum number of Equipment required (per batch of 30 trainees)
1.	Washing Range Machine	1
2.	Fabric	500
3.	Empty Fabric Rolls	1
4.	Drying Range Machine	1
5.	Fabric	500
6.	Empty Fabric Rolls	1
7.	Balloon Squeezer Machine	1
8.	Fabric	500
9.	Empty Fabric Rolls	1
10.	Folding Machine	4
11.	Fabric	200
12.	Empty Fabric Rolls	4
13.	Calendaring Machine	1
14.	Fabric	500
15.	Empty Fabric Rolls	1

Batch Size: 30**Classroom Aids**

The aids required to conduct sessions in the classroom are:

1. Charts
2. Posters
3. Projector
4. Writing Board
5. Seating capacity for 30 candidates
6. Computer/ Laptop Specification
7. Scanner
8. Printer

Annexure 3: Industry Validations Summary

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)
1	North East Development Consortium (NEDC)	Jayanta Baruah	Chief Executive Officer	Place: Guwahati	9864958553	nedc2009@gmail.com	—
2	Uttam Textiles	Hemantbhai Jariwala	Owner	Place: Surat	9374526010	—	—
3	Durga Processors Pvt Ltd	Dilip Kotadiya	HR Head	Place: Surat	9824160935	hrd.durga@dppl.co.in	—
4	Digi Venmanya	Karthik	Head	Place: Attayampatti	7708032166	digivenmanga@gmail.com	—
5	JCT Limited	Ashwani Thapar	General Manager	Place: Phagwara	9876015157	athapar@jctltd.com	—
6	Sri Kannapiran Mills Limited	G.Gurunathan	General Manager	Place: Sipcot, Perundurai	9865259591	gurunathan.ao@kgfabriks.com	—
7	Matiy Mitra Mills	Shyam Sundar	MD	Place: Erode	8667401256	callshyamsun@gmail.com	—
8	TBL Education (I) Pvt Ltd	Neetika Gupta	National Head	Place: Guwahati	9582941460	Tbl.eduindia@gmail.com	—
9	Valeur Fabtex Pvt Ltd	Harsh Chamaria	Director	Place: New Delhi	9910211484	director@valeurfabtex.com	—
10	MM Weaves, Salem	Ms.Sujatha	Proprietor	Place: Attayampatti	9842196774	weavesmm@gmail.com	—
11	Chanu Creations	Kshetrimayum Indira Devi	Proprietor	Place: Imphal	9821115226	chanucreations.skillindia@gmail.com	—
12	Mohan Spintex India Limited	Ravuri Thandav Krishna	Dy. General Manager, Admin	Place: Mallavalli	9492297269, 9490163798	hrm@mohanspintex.com	—
13	Nitin Spinners Ltd	P.N.Joshi	General Manager, HR	Place: Bhilwara	—	nsi@nitinspinners.com	—
14	Reliance Chemotex	G.S.Rathore	Factory Manager	Place: Udaipur	+91 294 2491489 / 90	udaipur@reliancechemotex.com	—
15	Kumaraguru College of Technology	Dr.G.Ramakrishnan	Professor	Place: Coimbatore	0422-2661171	ramakrishnan.g.ft@kct.ac.in	—

16	Eeshanau Foundation	Chaningleima Oinam	Secretary	Place: Imphal	9856031407 / 8974998624	chaningoinam@gmail.com	—
17	Kb Philanthropy 5	Laishram Monoranjan Singh	CEO	Place: Imphal	9612001798	Kbphilanthropy5@gmail.com	—
18	The Southern India Mills Association	D. Suresh Ananda Kumar	Dy. Secretary General	Place: Coimbatore	9790466668	suresh@simamills.org	—
19	Textile Committee	Dr.K.S.Muralidhara	Jt. Director (RSA)	Place: Mumbai	022 66527523	secy.tc@nic.in	—
20	Individual	G.Somasundaram	Advisor	Place: Bangalore	9343756560	soms28@gmail.com	—

Annexure 4: Training & Employment Details

Year	Estimated Training # of Total Candidates	Estimated training # of Women	Estimated training # of People with Disability
2026	1000	200	NA
2027	1000	200	NA
2028	1000	200	NA

Training, Assessment, Certification, and Placement Data for previous versions of qualifications:

Qualification Version	Year	Total Candidates				Women				People with Disability			
		Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed
2	2022	45	41	38	19	NA. Data Requested from NSDC	NA. Data Requested from NSDC	NA. Data Requested from NSDC	NA. Data Requested from NSDC	-	-	-	-
1	2021	0	0	0	0	NA. Data Requested from NSDC	NA. Data Requested from NSDC	NA. Data Requested from NSDC	NA. Data Requested from NSDC	-	-	-	-
1	2020	30	27	26	13	NA. Data Requested from NSDC	NA. Data Requested from NSDC	NA. Data Requested from NSDC	NA. Data Requested from NSDC	-	-	-	-

Applicable for revised qualifications only, data to be provided year-wise for past 3 years.

List Schemes in which the previous version of Qualification was implemented:

1. PMKVY
2. Digital India Corporation. Ministry of Electronics and Information Technology

Content availability for previous versions of qualifications:

☒ Participant Handbook ☐ Facilitator Guide ☐ Digital Content ☐ Qualification Handbook ☐ Any Other:

Languages in which Content is available: English

Annexure 5: Blended Learning - NA

Blended Learning Estimated Ratio & Recommended Tools:

Not Applicable

Refer NCVET “Guidelines for Blended Learning for Vocational Education, Training & Skilling” available on:

<https://ncvet.gov.in/sites/default/files/Guidelines%20for%20Blended%20Learning%20for%20Vocational%20Education,%20Training%20&%20Skill%20i%20ng.pdf>

S. No.	Select the Components of the NOS	List Recommended Tools – for all Selected Components	Offline: Online Ratio
1	☐ Theory/ Lectures - Imparting theoretical and conceptual knowledge	Computer, CAD Software, Graph Paper, Fabric Sample, Sketch Pens	20:80
2	☐ Imparting Soft Skills, Life Skills and Employability Skills /Mentorship to Learners	Computer, Projector	20:80
3	☐ Showing Practical Demonstrations to the learners	Computer, Projector	20:80
4	☐ Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training	Computer, Projector	20:80
5	☐ Tutorials/ Assignments/ Drill/ Practice	Computer, CAD Software, Graph Paper, Fabric Sample, Sketch Pens	20:80
6	☐ Proctored Monitoring/ Assessment/ Evaluation/ Examinations	Computer, CAD Software, Graph Paper, Fabric Sample, Sketch Pens	20:80
7	☐ On the Job Training (OJT)/ Project Work Internship/ Candidate Training	Computer, CAD Software, Graph Paper, Fabric Sample, Sketch Pens	20:80

Annexure 6: Detailed Assessment Criteria

Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
TSC/N9015: Follow machine, safety & organizational guidelines in Textile sector	Maintaining the work area, tools and machines	10	10	-	6
	1. handle materials, machinery, equipment and tools as per standard procedure	1	1	-	1
	2. use appropriate material handling equipment and tools as per standard procedure	1	1	-	-
	3. keep the equipment, machine and work area clean using appropriate cleaning tools as per standard procedure	1	1	-	1
	4. undertake minor routine maintenance of equipment and tools as per standard maintenance procedure	1	1	-	1
	5. maintain record for defective and unsafe equipment and tools	1	1	-	-
	6. verify that machine guards are in place as per standard specifications	1	1	-	1
	7. follow specified ergonomics for the assigned job role in textile sector	1	1	-	-
	8. collect and store worn-out spare parts at specified location	1	1	-	1
	9. report the condition of worn out parts as per standard procedure	2	2	-	1
	Greening and energy conservation in textile sector	7	10	-	6
	10. segregate wastes such as recyclable, non- recyclable, hazardous as per standard protocol	3	4	-	2
	11. optimize usage of material and resources including water, electricity in various tasks	2	3	-	2
	12. switch off the machines and lights when not in use	2	3	-	2
	Health, safety and response to emergencies at textile sector	32	40	-	28

13. use Personal Protective Equipment (PPEs) like body protector, ear plugs, nose mask, head cap, etc. as per guidelines	2	3	-	2
14. identify abnormal sounds emanating from faulty or worn out machine parts and take appropriate action	2	3	-	2
15. avoid dependency on any type of intoxicants	2	3	-	2
16. maintain social distance as per the instruction at workplace	2	3	-	2
17. report hazardous material to superiors at workplace	2	3	-	2
18. use the various appropriate fire extinguishers on different types of fires correctly	2	3	-	2
19. follow the specified steps in case of electricity failure	2	3	-	2
20. lift heavy objects using correct lifting procedures	2	3	-	2
21. recall emergency exits, safe spots, etc. of workplace	2	2	-	2
22. practice mock drills and evacuation procedures organized by industry	2	2	-	2
23. assist others to reach to safe spots in emergency situations	2	2	-	2
24. provide basic first aid for injury to peers and report to superiors	2	2	-	2
25. interpret different signs, alarms and take action appropriately	2	2	-	1
26. follow the guidelines while working in hazards atmosphere	2	2	-	1
27. assist in designing the safety plans with peers and superiors	2	2	-	1
28. follow the approved safety plans at workplace	2	2	-	1
Organizational standards and policies	16	20	-	10

	29. perform assigned duties as per organization's protocol within scheduled time period	3	3	-	2
	30. follow organization policies, quality standards, rules and regulations for working in textile sector	3	3	-	2
	31. motivate colleagues to follow operational guidelines of organization	3	3	-	2
	32. wear specified uniform and follow etiquette as per standard guidelines for the textile sector	3	3	-	2
	33. maintain hygienic working atmosphere as per protocol of the textile sector	2	4	-	1
	34. submit lost and found articles as per standard protocol	2	4	-	1
	NOS Total	65	80	-	50
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
TSC/N9016. Follow teamwork, adaptability and communication guidelines in Textile sector	Teamwork, trust and communication	10	15	-	5
	1. contribute to create a positive work environment in the team	1	1	-	1
	2. carry out tasks as per instructions received from superiors	1	2	-	1
	3. contribute to team work as per allocated responsibility to complete the task by using appropriate tools and methods	1	1	-	-
	4. build trust with team mates and superiors	1	1	-	-
	5. implement the ideas after superior's approval at work place	-	1	-	-
	6. communicate clearly with the team members as per standard protocol	-	1	-	-
	7. use suggested hand signs, vocal sound signals to convey the information in the production area	1	2	-	-
	8. listen effectively to the ideas and concerns of the peers	1	1	-	-
	9. use correct and respectful terms while communicating as per industry policy	1	1	-	1
	10. express views proactively and effectively	1	1	-	1
	11. make efforts to resolve difference of opinion with superiors and team members	1	1	-	-
	12. report to superior for problems identified in assigned duty	-	1	-	-

	13. report the daily performance to superior in prescribed manner and formats	1	1	-	1
	Adaptability	5	5	-	5
	14. adapt to flexible work environment for the assigned task	1	1	-	1
	15. adapt to work with various members of different ethnicity, gender and PwD without biases	1	1	-	1
	16. consider opinions of colleagues, fitters, superiors for the assigned task	1	1	-	1
	17. plan the work-routine within the limits of the responsibility	1	1	-	1
	18. adopt new ideas after due approval from superior for improving the productivity	1	1	-	1
	NOS Total	15	20	-	10
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Elective 1 – TSC/N5410: Carryout shift change, production and quality analyse at washing range department	Taking charge of shift from washing range operator	9	10	-	11
	1. come at least 10 - 15 minutes earlier to the work place	-	-	-	1
	2. bring the necessary operational tools to the department	1	1	-	1
	3. meet the previous shift operator and discuss with him/her regarding the issues faced by them with respect to the quality, production, spare, safety or any other specific instruction etc	1	1	-	1
	4. understand the fabric being processed & process running on the machine	1	1	-	1
	5. ensure the technical details are mentioned on the job card display on the machine	-	1	-	1
	6. check for the availability of the spare trolley for unloading the fabric	1	1	-	1
	7. check the next batch to be processed is ready near the machine	1	1	-	1
	8. ensure the required chemicals are already weighed & prepared	1	1	-	1

9. check the cleanliness of the machines & other work areas	1	1	-	1
10. question the previous shift washing range operator for any deviation in the above and should bring the same to the knowledge of his/ her shift superior as well as that of the previous shift	1	1	-	1
11. Take charge of the shift from the outgoing washing range operator in a proper manner	1	1	-	1
Handing Over Shift to washing range operator	9	10		11
12. ensure in providing the details regarding fabric quality & the process running on the machine	1	1	-	1
13. provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine	1	1	-	1
14. ensure the empty trolley is near the machine for unloading the fabric	1	1	-	1
15. ensure the next lot to be processed is ready near the machine already stitched & arranged properly	1	1	-	1
16. ensure the required chemicals for the next lot or next process are weighed & prepared	1	1	-	1
17. get clearance from the incoming counterpart before leaving the work spot	-	1	-	1
18. report to his/her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift	1	1	-	1
19. ensure the shift has to be properly handed over to the incoming shift operator	1	1	-	1
20. 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	1	1	-	1
21. collect the wastes from waste collection bags, weigh them and transport to storage area	1	1	-	1
22. ensure the machine and its work place is clean	-	-	-	1
Carry out preparatory activities for operations in the machine	50	110		10

1. understand the task mentioned in the work order	12	27	-	2
2. ensure that the machine is empty & clean including guide rolls & squeezing rolls	12	27	-	2
3. feed the fabric from the batch or trolley in the center of the machine using fabric centering & compensating devices	13	28	-	3
4. ensure fabric is crease-less and evenly fed onto the machine using J-box for continuous operation of machine	13	28	-	3
Operate the machine for specified tasks as per Work Order	50	110	-	8
5. know the operations of the machine	5	12	-	-
6. read & understand the process being followed to do the task	5	12	-	1
7. keep even tension on fabric throughout the process	5	12	-	1
8. keep optimum pressure of the squeezer rolls to get good results	5	12	-	1
9. set the required temp in all chambers	6	12	-	1
10. open the steam valves & drain the condensate in all compartments	6	12	-	1
11. dispense the chemicals in the chambers	6	12	-	1
12. start the machine & take out fabric either on batch or trolley	6	13	-	1
13. check ph & temp & other parameters in all compartments	6	13	-	1
Clean the machine on a regular basis and carryout preventive maintenance activities	41	85	-	5

	14. make sure the machine is kept clean at all times, before loading, while running & after unloading the fabric	7	15	-	1
	15. follow the preventive maintenance schedule & ensure the machine is running smoothly	7	14	-	1
	16. check that all controls are functioning properly	7	14	-	1
	17. clean & empty out the dirt collector as and when required	7	14	-	1
	18. stop the machine in case of any abnormal sound	7	14	-	1
	19. ensure enough supply of utilities such as water, air & steam for proper functioning of machine	6	14	-	-
	Taking out the sample after washing & comparing it with the standard	41	85	-	5
	1. take out the sample near the stitch	10	21	-	1
	2. compare the sample with the standard	10	21	-	1
	3. check the sample for washing or rubbing fastness	10	21	-	1
	4. take the sample to your supervisor if the sample is not matching to the standard for decision	11	22	-	2
	NOS Total	200	410	-	50
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Elective 2 – TSC/N5411: Carryout shift change, production and quality analyse	Taking charge of shift from Drying range operator	9	10		11
	1. come at least 10 - 15 minutes earlier to the work place	1	1	-	2
	2. bring the necessary operational tools to the department	1	1	-	1

at drying range department	3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality, production, spare, safety or any other specific instruction etc	1	1	-	1
	4. understand the fabric being processed & process running on the machine	1	1	-	1
	5. ensure the technical details are mentioned on the job card display on the machine	-	1	-	1
	6. check for the availability of the spare trolley for unloading the fabric	1	1	-	1
	7. check the next batch to be processed is ready near the machine	1	1	-	1
	8. must ensure the required dyes & chemicals are already weighed & prepared	1	1	-	1
	9. check the cleanliness of the machines & other work areas	1	1	-	1
	10. 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 as that of the previous shift as well.	1	1	-	1
	Handing over shift to Drying range operator	9	10		11
	11. hand over the shift to the incoming operator in a proper manner	-	-	-	1
	12. ensure in providing the details regarding fabric quality & the process running on the machine	1	1	-	1
	13. provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine	1	1	-	1
	14. ensure the empty trolley is near the machine for unloading the fabric	1	1	-	1

15. ensure the next lot to be processed is ready near the machine already stitched & arranged properly	1	1	-	1
16. Ensure the required dyes & chemicals for the next lot or next process are weighed & prepared	-	1	-	1
17. get clearance from the incoming counterpart before leaving the work spot	1	1	-	1
18. should report to his/ her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift	1	1	-	1
19. ensure, the shift has to be properly handed over to the incoming shift operator	1	1	-	1
20. 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	1	1	-	1
21. collect the wastes from waste collection bags, weigh them and transport to storage area	-	1	-	1
22. ensure the machine and its work place is clean	1	-		-
Carry out preparatory activities for operations in the machine	50	110		8
1. understand the task mentioned in the work order	5	11	-	-
2. ensure that the machine is empty & clean	5	11	-	1
3. load the fabric from the batch/trolley in the center of the machine	5	11	-	1
4. ensure fabric is crease-less and evenly fed onto the machine	5	11	-	1
5. Check that edge control sensors & fabric centring device is functioning properly	5	11	-	1

6. Ensure that all drying cylinders are clean & free from any lint or loose thread	5	11	-	1
7. Drain condensate from the steam & air line	5	11	-	1
8. Ensure enough & good quality steam & air pressure is available	5	11	-	1
9. Keep empty batch or trolley ready for the fabric to be taken after drying	5	11	-	1
10. Ensure that all safety devices & other controls are functioning properly	5	11	-	-
Operate the machine for specified tasks as per Work Order	50	110	-	8
11. know the operations of the drying range machine	5	10	-	1
12. read & understand the process being followed to do the task	4	9	-	-
13. keep even tension on fabric throughout the process	4	9	-	1
14. keep optimum pressure of the squeezer rolls to get good results	4	9	-	1
15. set the required temp in all cylinders	4	9	-	1
16. open the steam valves & drain the condensate	4	9	-	1
17. start the machine & take out fabric either on batch or trolley	4	9	-	1
18. Ensure that all drying cylinders are moving freely & there is no crease formation in the fabric	4	9	-	1
19. check moisture content in the dried fabric & adjust the machine speed to the optimum for good productivity	4	9	-	-
20. Take minimum time to change the batch or trolley or use J box to reduce stoppage time	4	9	-	-
21. Close steam valves & cool down the machine before stopping down completely	5	10	-	1

	22. make sure the machine is kept clean at all times ,before loading, while running & after unloading the fabric	4	9	-	-
	Clean the machine on a regular basis and carryout preventive maintenance activities	42	85	-	6
	23. follow the preventive maintenance schedule & ensure the machine is running smoothly	8	17	-	1
	24. check that all controls are functioning properly	8	17	-	1
	25. Report to your supervisor or concerned person in case of any problem or abnormal sound in the machine	8	17	-	1
	26. Check & arrest any leakages in the steam, water or air line	8	17	-	1
	27. Oil & grease all moving parts of machine regularly	10	17	-	2
	Taking out the sample after drying & comparing it with the standard	40	85	-	6
	1. taking out the sample after drying near the stitch	14	29	-	2
	2. compare the sample with the standard	13	28	-	2
	3. take the sample to your supervisor if the sample is not matching to the standard for decision	13	28	-	2
	NOS Total	200	410	-	50
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Elective 3 – TSC/N5412: Carryout shift change, folding and inspection activity at processed fabric folding department	Taking charge of shift from Folding machine operator	9	10	-	11
	1.ensure to bring the necessary operational tools to the department	1	2	-	2
	2.report at least 10 - 15 minutes earlier to the work place and meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality, spare, safety or any other specific instruction etc.	1	1	-	1
	3.understand the fabric being processed and running on the machine	1	1	-	1
	4.ensure the technical details are mentioned on the job card displayed on the machine	1	1	-	1

5.check for the availability of the spare trolley / batching trolley for unloading the fabric	1	1	-	1
6.ensure that the next batch to be processed is ready and placed near the machine	1	1	-	1
7.check the cleanliness of the machines and other work areas	1	1	-	1
8.obtain information from the previous shift operator for any deviation in the above and bring the same to the knowledge of the shift superior as well as that of the previous shift.	1	1	-	2
9.follow the process to take charge of the shift from the outgoing operator	1	1	-	1
Handing Over Shift to Folding machine operator	9	10		11
10.provide all the details regarding fabric running on the machine	2	2	-	2
11.inform regarding the stoppages or breakdown in the machine, any damage to the fabric or machine	1	1	-	1
12.get clearance from the incoming counterpart before leaving the work area	2	2	-	2
13.report to your shift superiors as well as that of the incoming shift operator in case your counterpart doesn't report for the incoming shift	1	1	-	1
14.report to your shift superior about the quality / production / safety issues/ any other issue faced in your shift and leave the department only after getting necessary clearance	1	1	-	1
15.collect the wastes from waste collection bags, weigh them and transport to storage area	1	2	-	2
16. ensure the machine and its work place is clean at the time of takeover	1	1	-	2
Carry out preparatory activities for operations in the machine	50	110	-	10
17.interact with the previous shift operator to discuss the process running on the machine	16	36	-	3
18.check if the machine is running smoothly or has any breakdown in previous shift	17	37	-	3
19.check for any quality issues in the fabric that need correction	17	37	-	4

Operate the machine for specified tasks as per work order	50	110	-	8
20.understand the task mentioned in the work order	4	10	-	1
21.ensure that the machine is empty and clean	4	10	-	1
22.apply proper technique to load the fabric from the batch/trolley in the center of the machine	4	10	-	-
23.ensure fabric is crease-less and evenly fed onto the machine	4	10	-	-
24.check the width of the fabric at regular intervals	4	10	-	-
25.perform regular checks to keep even temperature and minimum tension across the width of machine	5	10	-	1
26.examine the fabric for any type of defects in the fabric	5	10	-	1
27.mark the defects according to their nature minor or major	5	10	-	1
28.follow steps to cut and change the roll after specified length	5	10	-	1
29.select defect free fabric and put quality sticker / tag on the roll	5	10	-	1
30.follow the process to pack the roll in poly bag	5	10	-	1
Perform preventive maintenance and cleanliness of the machine	42	85	-	5
31.ensure that the machine is kept clean at all times, before loading, while running and after unloading the fabric	9	17	-	1
32.follow the preventive maintenance schedule to ensure that the machine is running smoothly	8	17	-	1
33.perform regular checks of functionality of all controls	8	17	-	1
34.ensure the right quality of air pressure is available for proper functioning of machine	9	17	-	1
35.implement procedure to cool down the machine after completion of job	8	17	-	1
Recording the defects in the fabric	40	85	-	5
36.identify the type of defect and its category	6	14	-	-
37.record the defect in the book under respective heads	7	15	-	1

	38.ensure to mention the details about quality, width, length etc. on the roll	6	14	-	1
	39.perform grading of the fabric according to specified grading system	7	14	-	1
	40.make a summary of various defects to calculate defect percentage	7	14	-	1
	41.analyse the recorded data pertaining to defects for improvement in production quality	7	14	-	1
	NOS Total	200	410	-	50
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Elective 4 – TSC/N5413: Carryout shift change, production and preparation of chemicals at balloon squeezer department	Taking charge of shift from Balloon squeezer machine operator	9	10		11
	1. come at least 10 - 15 minutes earlier to the work place	-	-	-	1
	2. bring the necessary operational tools to the department	1	1	-	1
	3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality, production, spare, safety or any other specific instruction etc	1	1	-	1
	4. understand the fabric being processed & process running on the machine	1	1	-	1
	5. ensure the technical details are mentioned on the job card display on the machine	-	1	-	1
	6. check for the availability of the spare trolley for unloading the fabric	1	1	-	1
	7. check the next batch to be processed is ready near the machine	1	1	-	1

8. ensure the required chemicals are already weighed & prepared	1	1	-	1
9. check the cleanliness of the machines & other work areas	1	1	-	1
10. 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 as that of the previous shift	1	1	-	1
11. take over the shift from the incoming operator in a proper manner	1	1	-	1
Handing Over Shift to Balloon squeezer machine operator	9	10		11
12. ensure in providing the details regarding fabric quality & the process running on the machine	-	-	-	1
13. to provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine	1	1	-	1
14. ensure the empty trolley is near the machine for unloading the fabric	1	1	-	1
15. ensure the next lot to be processed is ready near the machine already stitched & arranged properly	1	1	-	1
16. ensure the required chemicals for the next lot or next process are weighed & prepared	1	1	-	1
17. should get clearance from the incoming counterpart before leaving the work spot	-	1	-	1
18. should report to his/ her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift	1	1	-	1
19. ensure the shift has to be properly handed over to the incoming shift operator	1	1	-	1
20. should 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	1	1	-	1

21. Should collect the wastes from waste collection bags, weigh them and transport to storage area	1	1	-	1
22. ensure the machine and its work place is clean	1	1	-	1
Carry out preparatory activities for operations of the machine	50	100	-	8
1. understand the task mentioned in the work order	3	6	-	1
2. ensure that the machine is clean	3	6	-	-
3. place the fabric trolley/ box on the centre of turn table	3	6	-	1
4. lock the trolley/ box to avoid falling down while rotating	3	6	-	-
5. pass the fabric through squeezer rolls to the compensating basket	3	6	-	1
6. adjust roller pressure to suit the fabric construction	3	6	-	-
7. thread the fabric through the de-twisting unit	3	6	-	1
8. remove the twist in the fabric by operating the machine manually	3	6	-	-
9. feed the fabric to the expander basket	3	6	-	1
10. place the sensor on the cutting line	3	6	-	-
11. adjust the cutting knife on the slitting line	3	5	-	1
12. expand the magnetic stretcher/ expander basket to fit tightly in the fabric tube	3	5	-	-
13. pass the fabric through the trough to the squeezing rolls	3	5	-	1
14. pull out the fabric through plaiting device to the empty trolley	3	5	-	-
15. Ensure the mangle trough & squeezing rollers are clean & free from any loose thread or lint	2	5	-	1

16. Ensure the fabric trolley / box is clean & free from any type of contaminations	2	5	-	-
17. Ensure the safety devices are functioning properly	2	5	-	-
18. Ensure to use personal protective equipment such as mask, gloves, ear plugs & gum boots	2	5	-	-
Operate the machine for specified tasks as per Work Order	50	100		5
19. Carry out the operations of the balloon squeezer machine	5	11	-	-
20. read & understand the process being followed to do the task	5	11	-	1
21. start the machine in manual mode & adjust the expander according to fabric width	5	11	-	-
22. set the overfeed in case of tubular fabric as specified in the job order	5	11	-	1
23. adjust the squeezer roller pressure to the optimum	6	11	-	-
24. adjust the machine speed to the optimum	6	11	-	1
25. check if all safety devices are working	6	11	-	-
26. change the machine to auto mode	6	11	-	1
27. check the width of fabric & adjust the expander accordingly	6	12	-	1
Clean the machine and carryout preventive maintenance activities	32	75	-	5
28. ensure the machine is kept clean all time, while working or after completion of job	5	11	-	1
29. follow the preventive maintenance schedule & make sure the machine is running smoothly without any problem	4	11	-	1
30. ensure the right quality of water steam & air is available for proper functioning of machine	5	11	-	1
31. ensure there is no leakage in the water, steam or air line	4	10	-	-
32. greasing & oiling of moving part/ of machine as specified	5	11	-	1

	33. stop the machine in case of any abnormal sound and report the matter to concerned person & supervisor	4	10	-	-
	34. Ensure that all safety devices are working properly	5	11	-	1
	Preparing the finishing chemicals & filling the mangle trough & Checking the feel of finished fabric	50	115	-	10
	1. dissolve & mix the finishing chemicals as per the recipe	8	19	-	1
	2. adjust the ph of finishing mixture as required	8	19	-	2
	3. fill chemicals into mangle trough	8	19	-	2
	4. adjust mangle pressure to get the right feel of fabric	9	19	-	2
	5. report to the supervisor in case of any problem in the fabric	8	19	-	1
	6. Sample cutting & checking the feel of fabric after squeezer	9	20	-	2
	NOS Total	200	410	-	50
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Elective 5 – TSC/N5414: Carryout shift change, production and quality analyse at calendar department	Taking charge of shift from calendaring machine operator	9	10		11
	1. come atleast 10 - 15 minutes earlier to the work place	-	-	-	1
	2. bring the necessary operational tools to the department	1	1	-	1
	3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality, production, spare, safety or any other specific instruction etc	1	1	-	1
	4. understand the fabric being processed & process running on the machine	1	1	-	1
	5. ensure the technical details are mentioned on the job card display on the machine	-	1	-	1
	6. check for the availability of the spare trolley for unloading the fabric	1	1	-	1
	7. check the next batch to be processed is ready near the machine	1	1	-	1
	8. ensure the required dyes & chemicals are already weighed & prepared	1	1	-	1
	9. check the cleanliness of the machines & other work areas	1	1	-	1

10. 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 as that of the previous shift	1	1	-	1
Handing Over Shift to calendaring machine operator	1	1	-	1
11. take over the shift from the outgoing operator in a proper manner	9	10		11
12. Ensure in providing the details regarding fabric quality & the process running on the machine	-	-	-	1
13. To provide all relevant information regarding the stoppages or breakdown in the machine, any damage to the fabric or machine	1	1	-	1
14. ensure the empty trolley is near the machine for unloading the fabric	1	1	-	1
15. ensure the next lot to be processed is ready near the machine already stitched & arranged properly	1	1	-	1
16. ensure the required dyes & chemicals for the next lot or next process are weighed & prepared	1	1	-	1
17. get clearance from the incoming counterpart before leaving the work spot	-	1	-	1
18. report to His/ Her shift Superiors as well as that of the incoming shift operator in case His/ Her counterpart doesn't report for the incoming shift	1	1	-	1
19. Ensure that the shift has to be properly handed over to the incoming shift operator	1	1	-	1
20. 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	1	1	-	1
21. collect the wastes from waste collection bags, weigh them and transport to storage area	1	1	-	1
22. Ensure the machine and its work place is clean	1	1	-	1
Carry out preparatory activities for operations in the machine	50	110		8
1. understand the task mentioned in the work order	5	11	-	1
2. ensure that the machine is empty & clean	5	11	-	1
3. load the fabric from the batch/trolley in the center of the machine	5	11	-	-

4. ensure fabric is crease-less and evenly fed onto the machine	5	11	-	1
5. Drain condensate water from the steam line before opening the steam	5	11	-	1
6. Ensure required steam pressure is there in the main supply line	5	11	-	1
7. Drain water from air supply line & check if required pneumatic pressure is available	5	11	-	1
8. Check oil level in the hydraulic pump	5	11	-	-
9. Ensure empty batch or trolley is ready to take the fabric after calendaring	5	11	-	1
10. Open steam valve or switch on electrical heater for heating the calendaring rollers	5	11	-	1
Operate the machine for specified tasks as per Work Order	50	110		8
11. know the operations of the calendaring machine	7	14	-	1
12. read & understand the process being followed to do the task	6	14	-	1
13. keep even tension on fabric throughout the process	6	14	-	1
14. set the required roller pressure	6	14	-	1
15. set the required temp of calendaring rolls	7	14	-	1
16. ensure that all safety devices are operational	6	14	-	1
17. start the machine & take out fabric either on batch or trolley	6	13	-	1
18. adjust the machine speed, roller temp or pressure according to required finish	6	13	-	1
Clean the machine on a regular basis and carryout preventive maintenance activities	42	85		7
19. make sure the machine is kept clean at all times, before loading, while running & after unloading the fabric	4	8	-	1
20. follow the preventive maintenance schedule of the machine is running smoothly	4	8	-	-
21. check that all controls are functioning properly	4	8	-	1
22. ensure the right quality of water, steam & air is available for proper functioning of machine	4	8	-	1
23. cool down the machine after completion of job	4	8	-	1

	24. Ensure working of metal detector and its sensitivity	4	8	-	-
	25. check oil pressure and level in hydraulic unit	4	8	-	1
	26. report to his work place well before time to meet the previous shift operator	4	8	-	-
	27. discuss with him the process running on the machine	4	7	-	1
	28. check if the machine is running smoothly & has any breakdown in previous shift	3	7	-	-
	29. check for any quality issues in the fabric running on the machine	3	7	-	1
	Taking out the sample after calendaring & comparing it with the standard	40	85		5
	1. taking out the sample after calendaring near the stitch	10	22	-	2
	2. compare the sample with the standard	10	21	-	1
	3. take the sample to your supervisor if the sample is not matching to the standard for decision	10	21	-	1
	4. Adjust the roller pressure, temp or machine speed to match the required feel & finish as advised by the supervisor	10	21	-	1
	NOS Total	200	410		50
DGT/VSQ/N0101: Employability Skills	Introduction to Employability Skills	1	1	-	-
	understand the significance of employability skills in meeting the job requirements	-	-	-	-
	Constitutional values – Citizenship	1	1	-	-
	identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices.	-	-	-	-
	Becoming a Professional in the 21st Century	1	3	-	-
	explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	-	-	-	-
	Basic English Skills	2	3	-	-
	speak with others using some basic English phrases or sentences	-	-	-	-

Communication Skills	1	1	-	-
follow good manners while communicating with others	-	-	-	-
work with others in a team	-	-	-	-
Diversity & Inclusion	1	1	-	-
communicate and behave appropriately with all genders and PwD	-	-	-	-
report any issues related to sexual harassment	-	-	-	-
Financial and Legal Literacy	3	4	-	-
use various financial products and services safely and securely	-	-	-	-
calculate income, expenses, savings etc.	-	-	-	-
approach the concerned authorities for any exploitation as per legal rights and laws	-	-	-	-
Essential Digital Skills	4	6	-	-
operate digital devices and use its features and applications securely and safely	-	-	-	-
use internet and social media platforms securely and safely	-	-	-	-
Entrepreneurship	3	5	-	-
identify and assess opportunities for potential business	-	-	-	-
identify sources for arranging money and associated financial and legal challenges	-	-	-	-
Customer Service	2	2	-	-
identify different types of customers	-	-	-	-
identify customer needs and address them appropriately.	-	-	-	-
follow appropriate hygiene and grooming standards.	-	-	-	-
Getting ready for apprenticeship & Jobs	1	3	-	-
create a basic biodata	-	-	-	-
search for suitable jobs and apply	-	-	-	-
identify and register apprenticeship opportunities as per requirement	-	-	-	-
NOS Total	20	30	-	-

Annexure 7: Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the Candidate on the required competencies of the program.

Mention the detailed assessment strategy in the provided template.

1. Assessment System Overview:

- Batches assigned to the assessment agencies for conducting the assessment on SDMS/SIP or email
- Assessment agencies send the assessment confirmation to VTP/TC looping SSC
- Assessment agency deploys the ToA certified Assessor for executing the assessment
- SSC monitors the assessment process & records

2. Testing Environment:

- Confirm that the centre is available at the same address as mentioned on SDMS or SIP
- Check the duration of the training.
- Check the Assessment Start and End time to be as 10 a.m. and 5 p.m.
- If the batch size is more than 30, then there should be 2 Assessors.
- Check that the allotted time to the candidates to complete Theory & Practical Assessment is correct.
- Check the mode of assessment—Online (TAB/Computer) or Offline (OMR/PP).
- Confirm the number of TABs on the ground are correct to execute the Assessment smoothly.
- Check the availability of the Lab Equipment for the particular Job Role.

3. Assessment Quality Assurance levels / Framework:

- Question papers created by the Subject Matter Experts (SME)
- Question papers created by the SME verified by the other subject Matter Experts
- Questions are mapped with NOS and PC
- Question papers are prepared considering that level 1 to 3 are for the unskilled & semi-skilled individuals, and level 4 and above are for the skilled, supervisor & higher management
- Assessor must be ToA certified & trainer must be ToT Certified
- Assessment agency must follow the assessment guidelines to conduct the assessment

4. Types of evidence or evidence-gathering protocol:

- Time-stamped & geotagged reporting of the assessor from assessment location
- Centre photographs with signboards and scheme specific branding
- Biometric or manual attendance sheet (stamped by TP) of the trainees during the training period
- Time-stamped & geotagged assessment (Theory + Viva + Practical) photographs & videos

5. Method of verification or validation:

- Surprise visit to the assessment location
- Random audit of the batch
- Random audit of any candidate

6. Method for assessment documentation, archiving, and access

- Hard copies of the documents are stored
- Soft copies of the documents & photographs of the assessment are uploaded / accessed from Cloud Storage
- Soft copies of the documents & photographs of the assessment are stored in the Hard Drives

Annexure 8: Acronym and Glossary

Acronym

Acronym	Description
AA	Assessment Agency
AB	Awarding Body
NCrF	National Credit Framework
NOS	National Occupational Standard(s)
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework

Glossary

Term	Description
National Occupational Standards (NOS)	NOS define the measurable performance outcomes required from an individual engaged in a particular task. They list down what an individual performing that task should know and also do.
Qualification	A formal outcome of an assessment and validation process which is obtained when a competent body determines that an individual has achieved learning outcomes to given standards
Qualification File	A Qualification File is a template designed to capture necessary information of a Qualification from the perspective of NSQF compliance. The Qualification File will be normally submitted by the awarding body for the qualification.
Sector	A grouping of professional activities on the basis of their main economic function, product, service or technology.