



Jute Beaming 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:

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Section 1: Basic Details

1.	Qualification Name	Jute Beaming 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-01888-2024-V1.1-TSC	Qualification Name of the existing/previous version: Jute Beaming Operator
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA NA	
5.	National Qualification Register (NQR) Code & Version	QG-02-TX-04115-2025-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	The role of a Jute beaming operator is to produce a sized weavers beam containing a wrapped sheet of parallelised wrap yarns of jute from large number of individual spools, according to the number of jute warp yarns required in cloth as per quality and make the weavers beam ready with jute yarns of desired quality. The person can seek employment in a Jute factory.	

9. Eligibility Criteria for Entry for a Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table border="1" data-bbox="590 378 1339 511"> <tr> <th data-bbox="590 378 667 480">S. No.</th><th data-bbox="667 378 1014 480">Academic/Skill Qualification (with Specialization - if applicable)</th><th data-bbox="1014 378 1339 480">Relevant Experience (with Specialization - if applicable)</th></tr> <tr> <td data-bbox="590 480 667 511">1</td><td data-bbox="667 480 1014 511">Ability to read and write</td><td data-bbox="1014 480 1339 511">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) <i>(wherever applicable): I</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="802 967 1316 1127"> <tr> <th data-bbox="802 967 984 1049">Training Delivery Mode</th><th data-bbox="984 967 1100 1049">Theory (Hours)</th><th data-bbox="1100 967 1215 1049">Practical (Hours)</th><th data-bbox="1215 967 1316 1049">Total (Hours)</th></tr> <tr> <td data-bbox="802 1049 984 1101">Classroom (offline)</td><td data-bbox="984 1049 1100 1101">94.5</td><td data-bbox="1100 1049 1215 1101">175.5</td><td data-bbox="1215 1049 1316 1101">270</td></tr> <tr> <td data-bbox="802 1101 984 1127">Online</td><td data-bbox="984 1101 1100 1127">-</td><td data-bbox="1100 1101 1215 1127">-</td><td data-bbox="1215 1101 1316 1127">-</td></tr> </table> <i>(Refer Blended Learning Annexure for details)</i>				Training Delivery Mode	Theory (Hours)	Practical (Hours)	Total (Hours)	Classroom (offline)	94.5	175.5	270	Online	-	-	-
Training Delivery Mode	Theory (Hours)	Practical (Hours)	Total (Hours)													
Classroom (offline)	94.5	175.5	270													
Online	-	-	-													

14. Aligned to NCO/ ISCO Code/s (if no code is available mention the same)	NCO-2015/8152.17	
15. Progression Path After Attaining the Qualification, wherever applicable (Please show Professional and Academic progression)	Assistant Fitter - Jute	
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/N9002 - Working in a team TSC/N9003 - Maintain health, safety and security at workplace TSC/N9009 - Maintain work area, tools, material handling equipment and machinery for jute processing TSC/N9010 - Comply with industry and organizational requirement in jute 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 (In case of CS or MS, provide details of both Lead AB & Supporting ABs)	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 to the curriculum document.

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

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	Taking charge of shift and handing over shift to Jute beaming operator	TSC/N2112,V 2.0	Core	2	1.25	15	22.5			37.5	20	30			50	9
2	Operating the jute beaming machine	TSC/N2113,V 2.0	Core	2	2.25	22.5	45			67.5	51	74			125	23
3	Leasing of jute warp sheet	TSC/N2114,V 2.0	Core	2	0.75	7.5	15			22.5	10	15			25	5
4	Drying jute warp sheet	TSC/N2115,V 2.0	Core	2	0.75	7.5	15			22.5	20	30			50	9
5	Maintain work area, tools, material handling equipment and machinery for jute processing	TSC/N9009,V 2.0	Non Core	3	0.5	5	10			15	20	30			50	9
6	Working in a team	TSC/N9002,V 6.0	Non Core	3	0.5	5	10			15	19	20		11	50	18
7	Maintain health, safety and security at workplace	TSC/N9003,V 5.0	Non Core	3	1.5	15	30			45	32	40		28	100	9
8	Comply with industry and organizational requirement in jute sector	TSC/N9010,V 2.0	Non Core	3	0.5	5	10			15	21	29			50	9
9	Employability Skills	DGT/VSQ/N0101, V 1.0	Non Core	2	1	12	18			30	20	30			50	9
Duration (in Hours) / Total Marks						9	94.5	175.5		270	213	298		39	550	100

Elective NOS/s:

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/NSQF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks				
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Weightage (%) (if applicable)
1.															
2.															
Duration (in Hours) / Total Marks															

Optional NOS/s:

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/NSQF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks				
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Weightage (%) (if applicable)
1.															
2.															
Duration (in Hours) / Total Marks															

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) (as per NCVET guidelines)	• 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/Q2104, v4.0 Jute Beaming Operator, Minimum pass percentage 80 per cent
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	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 (If "Yes", details to be provided in Annexure)
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) (as per NCVET guidelines)	• 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/Q2104, v4.0 Jute Beaming Operator, Minimum pass percentage 80 percent
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2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines), (wherever applicable)	UG in any field
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	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 (Specify the assessment mode)	Offline
5.	Tools and Equipment Required for Assessment	☐ Same as for training ☐ Yes ☐ No (details to be provided in Annexure-if it is different for Assessment)

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: 13
5.	Estimated number of people to be trained: 600
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

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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. - Understand the basic quality, safety and general hygiene norms. Familiarity with environmental aspects.	A beaming operator gets work allotted by his supervisor and is responsible for maintaining the Beaming efficiently so as to get maximum output with minimum defects, with less cost of production giving due importance to safety and environmental aspects. The operator carries out process that are repetitive on regular basis in a typical jute mill. Daily tasks are being allotted like yarn mending, spool feeding, size paste preparation, creeling of yarn, doffing, leasing, lease reed denting etc. and attending all other minor defects on the machine which requires little application of understanding, more of practice. For routine work, the choices are clear. For unprecedented situations, he/she has to report to the supervisor. Hence NSQF Level is 2	NSQF Level 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.	A beaming operator must understand context of work and quality with respect to process flow and material flow and safety standards in a typical jute mill. He/she should also know the causes of beaming defects incurred due to man and machine faults. Importance of beam quality, safety mechanisms of the machines, stop motions, indication lamps and material tools and	NSQF Level 2

	- 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.	application in a limited context. Hence NSQF Level is 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 - Have understanding of use of Financial and Digital literacy, Aadhar and Mobile, digital payments etc.	A beaming operator must be able to receive and transmit written and oral messages in local/regional language, makes daily work report and communicates with the supervisor appropriately and with others to convey information effectively. The operator must be aware of basic arithmetic to understand personal financing and comprehends the regulations, natural, social and political environment of a typical jute mill Hence NSQF Level is 2	NSQF Level 2
Broad Learning Outcomes/Core	Carry out the Predefined tasks	A jute beaming operator assist in professional works with no variables	NSQF Level 2

Skill	- 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.	differentiates between good and bad quality. The operator performs routine operations on machine like doffing full beams and filling the empty beams, operating the machine, replacing the empty spools with full spools, mend broken ends, cleaning the machine, segregate the waste using limited service skill set in limited context. In case of unexpected fault while beaming operation he/she will report to the shift supervisor. Hence NSQF Level is 2	
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 beaming operator takes charge of the shift after discussing in detail the issues faced with respect to the quality, production and safety, reports to his 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 operator has no direct responsibility and works under instruction and close supervision for his own work and learning. 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.	Jute Beaming machine	1
2.	Empty and Full Beams	2
3.	Yarn Package	200

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	Birla Jute Mills	G R Verma	Jt President	Birlapur	033 66033112	birlajute@birlacorp.com	
2	Bowreah Jute Mills Pvt Ltd	P K Biswas	General Manager	Bawreah	8981005896	bjmplmill@gmail.com	
3	The Empire Jute Company Ltd	S N Lahoti	Group President	Titagarh	9163707015	—	
4	Evergreen Jute Mills Pvt Ltd	D N Charia	Director	Howrah	9933953097	evergreenskc@rediffmail.com	
5	Gloster Limited	B L Kabra	Works Manager	Fort Gloster Howrah	033 26618940	gjmll@glosterjute.com	
6	Hooghly Jute Mill	R Singha Ray	Chief Executive	kolkata	033 24397476	hmcl@vsnl.com	
7	Howrah Mills Company Limited	N Das	President	Howrah	9831838257	howrahmill@mjindia.com	
8	Indian Jute Industries Research Association	Dr. Pradip Chakrabarti	HOD	kolkata	700397232	pradip@ijira.org.in	
9	Jankalyan Vinimay Pvt Ltd	O P Paresh	President	Shyamnagar	033 25815055	jvpl06@rediffmail.com	
10	Ludlow Jute & Specialities Ltd	I Haque	Manager	Howrah	8646819388	info@ludlowjute.com	
11	Murlidhar Ratanlal Exports Ltd	R K Mishra	General Manager	Serampore	033 22104821	kajaria@jute.india.com	
12	RDB Textiles Ltd	—	—	Hooghly	033 22255450	rdbtextilesld@gmail.com	
13	Tripura Jute Mills Ltd	Anjan Debnath	Mill Manager	Agartala	038148525468	tjml_agt@yahoo.co.in	

Annexure 4: Training & Employment Details

Year	Estimated Training # of Total Candidates	Estimated training # of Women	Estimated training # of People with Disability
2026	600	120	NA
2027	600	120	NA
2028	600	120	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	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	2021	20	18	17	9	NA. Data Requested from NSDC	NA. Data Requested from NSDC	NA. Data Requested from NSDC	NA. Data Requested from NSDC	-	-	-	-
1	2020	14	13	12	6	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/N2112: Taking charge of shift and handing over shift to Jute beaming operator	Take charge of shift from jute beaming operator	17	24	-	-
	1. reach at least 10-15 minutes earlier to the work place	1	2	-	-
	2. bring the knives and to check the availability or necessary items like marking chalk, pen etc	1	2	-	-
	3. meet the previous shift operator and discuss with him/her the problems faced by him with respect to the quality/ production/mechanical problems	2	2	-	-
	4. check the availability of sufficient spool (with identification mark)	2	2	-	-
	5. check the condition of sizing box and the quality of the size paste	1	2	-	-
	6. check the steam trap, steam roller, pipe line of steam (there should not be any leakage of steam) and its insulation, different valves in the steam line	2	2	-	-
	7. ensure correct steam pressure (30-35P.S.I.) as shown in pressure gauge	1	2	-	-
	8. ensure correct functioning of stop motions and safety devices	2	2	-	-
	9. check whether any written instruction for quality change to be carried out	1	2	-	-
	10. check the whether waste collection boxes are empty	1	2	-	-
	11. ensure cleanliness of the machine and the area	1	2	-	-
	12. ensure lubrication as scheduled	2	2	-	-
	Hand over shift to next jute beaming operator	3	6	-	-
	13. hand over the shift to the incoming beaming operator in proper manner and get clearance from the incoming counterpart	1	2	-	-

	14. report to the supervisor and incoming beaming operator if there is any quality change and maintenance work done/or left during his shift	1	2	-	-
	15. reports to supervisor if his counterpart is absent in such a case to handover the shift to his superiors	1	2	-	-
	NOS Total	20	30	-	-
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
TSC/N2113: Operating the jute beaming machine	Operating the jute beaming machine	51	74	-	-
	1. before running the machine, ensure the quality of the beam (with its specification) to be produced	2	2	-	-
	2. ensure that control switches for starting, running and stopping the beaming machine functioning properly	2	3	-	-
	3. operate the beaming machine, with continuous assistance of co-workers/side beamers	1	3	-	-
	4. instruct co-workers/side beamers to check the creel for the no. of spools required as per quality	1	3	-	-
	5. involve side beamers to keep sufficient stock of spools near the machine	2	2	-	-
	6. ensure recommended yarn count of the spool (ask side beamers to follow the colour mark)	2	2	-	-
	7. check the empty beam, clean it and then mount on the beaming machine properly	2	3	-	-
	8. ensure that yarn from spool passes through yarn guides, tensioners, stop motion guide, lease rod, guide reed etc., involve co-workers accordingly	2	3	-	-
	9. count and set the exact number of threads or runners at the start for a particular quality of beam (needed for a specified fabric) and continue frequent checking	2	3	-	-
	10. ensure correct take up of sizing paste by the yarn and squeezing properly, adjust the pressing roller accordingly	2	3	-	-

11. ensure clean surface of the steam cylinders, correct steam pressure to get proper drying of yarn	2	3	-	-
12. ensure moisture content (30%-35% for sackings & 18% -22% for hessian) & 1.5-2 % size (TKP) application in beam in consultation with superiors as practiced in jute industry	2	3	-	-
13. ensure 70%. wet pick-up of size (TKP)	2	3	-	-
14. check the steam pressure to keep it at 25-35 psi	2	3	-	-
15. lease the warp yarns properly before doffing full beam	2	2	-	-
16. put right identification mark for its quality	1	3	-	-
17. control manually the beam speed to maintain right yarn tension in jute beaming machine, clean the machine and to lubricate the machine periodically as a part of total productive maintenance	2	3	-	-
18. clean the reeds, sow-box and cylinder surface periodically and as whenever necessary	2	3	-	-
19. segregate the wastes collected and to deposit at the waste bins	2	2	-	-
20. clean and to maintain second guide reed and guide roller in good condition after starch roller	2	2	-	-
21. support the mechanic during maintenance activities	2	2	-	-
22. check and maintain friction plate in working condition	2	2	-	-
23. mount the spools carefully so that they rotate freely on the creel	1	3	-	-
24. align the warp yarns on the extreme selvage so that these warp	2	2	-	-
25. Carry out and handle of spools and full beam	1	3	-	-
26. ensure the use of proper material handling tools and equipment	2	2	-	-

	27. ensure man and machine safety while operating the beaming machine, and keep the working place (floor) clean i.e. free from any unwanted elements like spool centre, thread waste, broken machine parts etc	2	3	-	-
	28. ensure small knot while joining a broken ends/replacing a empty spool	2	3	-	-
	NOS Total	51	74	-	-
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
TSC/N2114: Leasing of jute warp sheet	Leasing of jute warp sheet	10	15	-	-
	1. check the right passage of yarn through lease rod	2	3	-	-
	2. lease the warp yarns properly before doffing full beam	2	3	-	-
	3. use proper group knotting	2	3	-	-
	4. protect the cut ends of warp sheet by pasting a tape on the upper surface of the beam	2	3	-	-
	5. ensure unlocking of the beam, doffing carefully	2	3	-	-
	NOS Total	10	15	-	-
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
TSC/N2115: Drying jute warp sheet	Drying jute warp sheet	20	30	-	-
	1. check the availability of steam	2	2	-	-
	2. check and ensure the steam pressure of the steam cylinder at 25-35 psi	2	3	-	-
	3. check the smooth running of steam roller	2	2	-	-
	4. check the cleanliness of the surface of the steam roller	2	2	-	-
	5. ensure adequate squeezing of size take up	1	3	-	-
	6. ensure the proper functioning of the pressing roller	2	3	-	-
	7. ensure that, there should not be any leakage, refer the problem to the concerned persons	2	3	-	-

	8. clear the condensate deposit in the steam roller	2	3	-	-
	9. check the steam trap	2	3	-	-
	10. check the steam pipe line	2	3	-	-
	11. check the pipe line insulation of the pipe line	1	3	-	-
	NOS Total	20	30	-	-
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
TSC/N9002: Working in a team	Commitment and trust	5	4	-	2
	1. be accountable to the own role in whole process	2	1	-	1
	2. perform all roles with full responsibility	2	1	-	1
	3. be effective and efficient at workplace	1	2	-	-
	Communication	6	7	-	4
	4. properly communicate about company policies	1	2	-	1
	5. report all problems faced during the process	1	2	-	1
	6. talk politely with other team members and colleagues	2	1	-	1
	7. submit daily report of own performance	2	2	-	1
	Adaptability	5	4	-	3
	8. adjust in different work situations	1	1	-	1
	9. give due importance to other's point of view	2	1	-	1
	10. avoid conflicting situations	2	2	-	1
	Creative freedom	3	5	-	2
	11. develop new ideas for work procedures	1	3	-	1
	12. improve upon the existing techniques to increase process efficiency	2	2	-	1
	NOS Total	19	20	-	11
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
TSC/N9003: Maintain health, safety and	Comply with health, Safety and security requirements at work	27	35	-	23
	1. comply with health and safety related instructions applicable to the workplace	2	2	-	2

security at workplace	2. use and maintain personal protective equipment such as ear plug, nose mask , head cap etc., as per protocol	2	2	-	2
	3. carry out own activities in line with approved guidelines and procedures	2	2	-	2
	4. maintain a healthy lifestyle and guard against dependency on intoxicants	2	2	-	2
	5. follow environment management system related procedures	2	2	-	2
	6. identify and correct (if possible) malfunctions in machinery and equipment	2	2	-	1
	7. report any service malfunctions that cannot be rectified	2	2	-	1
	8. store materials and equipment in line with organisational requirements	2	2	-	1
	9. safely handle and remove waste	2	2	-	1
	10. minimize health and safety risks to self and others due to own actions	1	2	-	1
	11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks	1	2	-	2
	12. monitor the workplace and work processes for potential risks and threat	1	2	-	1
	13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned	1	2	-	1
	14. report hazards and potential risks/ threats to supervisors or other authorized personnel	1	2	-	1
	15. participate in mock drills/ evacuation procedures organized at the workplace	1	2	-	-
	16. undertake first aid, fire-fighting and emergency response training, if asked to do so	1	2	-	1
	17. take action based on instructions in the event of fire, emergencies or accidents	1	2	-	1
	18. follow organisation procedures for shutdown and evacuation when required	1	1	-	1
	Recognizing the hazards	2	2	-	2

	19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry	1	1	-	1
	20. recognise other possible security issues existing in the workplace	1	1	-	1
	Planning the safety techniques Implementing the programs	3	3	-	3
	21. recognise different measures to curb the hazards	1	1	-	1
	22. communicate the safety plan to everyone	1	1	-	1
	23. attach disciplinary rules with the implementation	1	1	-	1
	NOS Total	32	40	-	28
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
TSC/N9009: Maintain work area, tools, material handling equipment and machinery for jute processing	Maintain work area, tools, material handling equipment and machinery for jute processing	20	30	-	-
	1. maintain personal hygiene and human safety, machine safety and specific dress code	1	1	-	-
	2. carefully handle raw jute, slivers of jute, jute yarns and fabrics to minimize wastage	1	2	-	-
	3. carefully handle all tools such as hand root cutter, circular blade motorized root cutter, chopper, wooden block, bale hook, rope cutter, picking hook, brooms etc	1	2	-	-
	4. carefully handle moisture meter	1	1	-	-
	5. carefully handle weigh machine	1	1	-	-
	6. use proper mechanical handling equipment for lifting and handling jute and other materials, Mechanical Handling Equipment: hand barrow, can trolley, bobbin trolley, beam carrier, spool carrier, cloth carrier etc.	1	2	-	-
	7. keep all waste jute materials in a specified place for further processing	1	3	-	-

8. maintain a clean and hazard free working area, keeping floors free from all encumbrances	1	2	-	-
9. maintain tools and equipment being used for jute processing	1	2	-	-
10. carry out scheduled running maintenance like shift-wise cleaning and oiling in respective jute processing machinery	2	2	-	-
11. report to supervisor for any abnormal sound, from any machine for jute processing	1	1	-	-
12. report to supervisor all anomalies and unsafe conditions of equipment and other unprecedented occurrences	2	1	-	-
13. ensure that the doors and covers for gear side/ belt side of the jute machinery are kept properly closed and all machine guards are in appropriate place	1	2	-	-
14. ensure that standing place in working position are free from all encumbrances, to maintain correct posture of working/sitting/standing during working in respective jute processing machinery	1	2	-	-
15. use appropriate cleaning equipment like knife, brooms, pliers, screw driver etc. and follow appropriate cleaning methods for the work to be carried out in particular jute processing machine	1	1	-	-
16. stack/dispose jute fibre/sliver/yarn waste safely in the designated location/place/bag to help usage of all wastages for further processing	1	2	-	-
17. store all gadgets, tools and cleaning equipment safely after their use in designated place after cleaning them properly	1	1	-	-
18. carry out cleaning and minor/small maintenance jobs for each jute processing machine as per schedule within limits of specific responsibility, as instructed	1	2	-	-
NOS Total	20	30	-	-

Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
TSC/N9010: Comply with industry and organizational requirement in jute sector	Comply with industry and organizational requirement in jute sector	21	29	-	-
	1. perform assigned duties effectively section- wise / machine- wise	1	3	-	-
	2. take full responsibility for desired performance	1	3	-	-
	3. be accountable towards the job role and assigned duties	2	2	-	-
	4. report any anomalies found in the section / machinery to the Sardar (Jobber) or Supervisors	2	2	-	-
	5. take drive on self-learning for improving efficiency	2	2	-	-
	6. co-ordinate with all the team members and colleagues	2	2	-	-
	7. communicate politely	1	2	-	-
	8. avoid conflicts and miscommunication	1	2	-	-
	9. take part in Quality Circle activity to discuss process and innovative ideas in Quality Circle	2	2	-	-
	10. take all initiative to achieve organisational norms for processing of yarn and fabrics of jute and to motivate all other fellow workers to follow them	3	2	-	-
	11. implement the collection of wastage in a proper method (as instructed) for further processing	2	2	-	-
	12. follow specific environmental regulation for jute industry	1	3	-	-
	13. keep area of work and machine clean	1	2	-	-
	NOS Total	21	29	-	-
Module	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
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.