



QUALIFICATION FILE

Jr. Technician – Rubberwood Seasoning and Chemical Treatment (Lightwood Furniture)

☒ 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: 3

Submitted By:

Rubber, Chemical & Polymer Skill Development Council (RCPSDC)

304, 3rd Floor, Rectangle One, Saket District Center,

New Delhi – 110017 (India)

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Section 1: Basic Details

1.	Qualification Name	Jr. Technician - Rubberwood Seasoning and Chemical Treatment (Lightwood Furniture)																
2.	Sector/s	Rubber, Chemical and Polymer																
3.	Type of Qualification: ☒ New ☐ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing/previous qualification: <i>(change to previous, once approved)</i>	Qualification Name of existing/previous version: NA															
4.	a. OEM Name b. Qualification Name <i>(Wherever applicable)</i>																	
5.	National Qualification Register (NQR) Code & Version <i>(Will be issued after NSQC approval)</i>	QG-03-RI-03677-2025-V1-RSDC & V1.0	6. NCrF/NSQF Level: 3															
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other) <i>(Wherever applicable specify multiple entry/exits also & provide details in annexure)</i>	Certificate																
8.	Brief Description of the Qualification	The individual working will be preparing the rubberwood for its use in making lightwood furniture. The person will be responsible for pre-seasoning, chemical treatment, and post-seasoning of rubberwood followed by proper handling and packing process using suitable methods and techniques.																
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>10th grade pass</td> <td></td> </tr> <tr> <td>2</td> <td>9th grade pass</td> <td>1.5 years relevant experience</td> </tr> <tr> <td>3</td> <td>8th grade pass</td> <td>3 years relevant experience</td> </tr> <tr> <td>4</td> <td>5th grade pass</td> <td>6 years relevant experience</td> </tr> </tbody> </table> b. Age: 18 years		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	10 th grade pass		2	9 th grade pass	1.5 years relevant experience	3	8 th grade pass	3 years relevant experience	4	5 th grade pass	6 years relevant experience
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)																
1	10 th grade pass																	
2	9 th grade pass	1.5 years relevant experience																
3	8 th grade pass	3 years relevant experience																
4	5 th grade pass	6 years relevant experience																
10.	Credits Assigned to this Qualification, Subject to Assessment <i>(as per National Credit Framework (NCrF))</i>	12	11. Common Cost Norm Category (I/II/III) <i>(wherever applicable): I</i>															
12.	Any Licensing requirements for Undertaking Training on This Qualification <i>(wherever applicable)</i>	NA																

13.	Training Duration by Modes of Training Delivery (<i>Specify Total Duration as per selected training delivery modes and as per requirement of the qualification</i>)	☒ Offline ☐ Online ☐ Blended					
		Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)
		Classroom (offline)	120:00	240:00	-	-	360:00
		Online					
(Refer Blended Learning Annexure for details)							
14.	Aligned to NCO/ISCO Code/s (<i>if no code is available mention the same</i>)	NCO-2015/7521.0100, 7521.0200, 7521.0500					
15.	Progression path after attaining the qualification (<i>Please show Professional and Academic progression</i>)	Technician – Rubberwood Seasoning and Chemical Treatment (Lightwood Furniture)					
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	Hindi					
17.	Is similar Qualification(s) available on NQR-if yes, justification for this qualification	☐ Yes ☒ No URLs of similar Qualifications:					
18.	Is the Job Role Amenable to Persons with Disability	☐ Yes ☒ No If “Yes”, specify applicable type of Disability:					
19.	How Participation of Women will be Encouraged	No gender sensitization					
20.	Are Greening/ Environment Sustainability Aspects Covered (<i>Specify the NOS/Module which covers it</i>)	☒ Yes ☐ No					
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools ☐ Yes ☒ No Colleges ☒ Yes ☐ No					
22.	Name and Contact Details of Submitting / Awarding Body SPOC (<i>In case of CS or MS, provide details of both Lead AB & Supporting ABs</i>)	Name: Saif Mohammad Email: ceo@rcpsdc.in Website: https://www.rcpsdc.in Contact No.: 91-11-41009347-48					
23.	Final Approval Date by NSQC: 18/02/2025	24. Validity Duration: 3 Years				25. Next Review Date: 18/02/2028	

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	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.	Perform pre-seasoning of rubberwood	RSC/N6204	Core	3	2	20	40	-	-	60	30	70	-	-	100	15
2.	Prepare Boron Solution and perform chemical treatment on rubberwood	RSC/N4408	Core	3	4	40	80	-	-	120	30	70	-	-	100	25
3.	Carry out post-seasoning of rubberwood	RSC/N6205	Core	3	2	20	40	-	-	60	40	60	-	-	100	15
4.	Manage the treated logs and pack them safely	RSC/N6206	Core	3	1	10	20	-	-	30	40	60	-	-	100	10
5.	Follow environmental and legal compliance	RSC/N5626	Core	3	1	10	20	-	-	30	40	60	-	-	100	10
6.	Follow health & safety protocol	RSC/N5007	Non-Core	4	1	10	20	-	-	30	30	70	-	-	100	5
7.	Employability Skills (30 hours)	DGT/VSQ/N0101	Non-core	2	1	10	20	-	-	30	20	30	-	-	50	5
Duration (in Hours) / Total Marks					12	120	240	-	-	360	230	420			650	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	Total	Weightage (%) (if applicable)
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	Total	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 % (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Minimum Pass Percentage – NOS/Module-wise: ____% (Every Trainee should score specified minimum passing percentage in each mandatory and selected elective NOS/Module 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)	Diploma in Wood Technology with 3 years of Relevant Industrial Experience
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Diploma in Wood Technology with 3 years of Relevant Industrial Experience and 5 years of Training Experience
3.	Tools and Equipment Required for Training	☒ Yes ☐ No (If "Yes", details to be provided in Annexure)
4.	In Case of Revised Qualification, Details of Any Upskilling Required for Trainer	NA

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Diploma in Wood Technology with 3 years of Relevant Industrial Experience
2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Diploma in Rubber/ Chemical Engineering
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Diploma in Wood Technology with 3 years of Relevant Industrial Experience and 5 years of Training Experience
4.	Assessment Mode (Specify the assessment mode)	Blended (only theory)
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):
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No):
3.	Government /Industry initiatives/ requirement (Yes/No): Yes
4.	Number of Industry validation provided:
5.	Estimated nos. of persons to be trained and employed:
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: 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 level/NSQF descriptors (Mandatory)	Attached
2.	Annexure: List of tools and equipment relevant for qualification (Mandatory, except in case of online course)	Attached
3.	Annexure: Detailed Assessment Criteria (Mandatory)	Attached
4.	Annexure: Assessment Strategy (Mandatory)	Attached

5.	Annexure: Blended Learning (<i>Mandatory, in case selected Mode of delivery is "Blended Learning"</i>)	<i>Filled</i>
6.	Annexure: Multiple Entry-Exit Details (<i>Mandatory, in case qualification has multiple Entry-Exit</i>)	<i>Filled</i>
7.	Annexure: Acronym and Glossary (<i>Optional</i>)	<i>Attached</i>
8.	Supporting Document: Model Curriculum (<i>Mandatory – Public view</i>)	<i>Attached</i>
9.	Supporting Document: Career Progression (<i>Mandatory - Public view</i>)	<i>Attached</i>
10.	Supporting Document: Occupational Map (<i>Mandatory</i>)	<i>Attached</i>
11.	Supporting Document: Assessment SOP (<i>Mandatory</i>)	<i>Attached</i>
12.	Any other document you wish to submit:	<i>NA</i>

Annexure: 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	Possess basic knowledge and skills to perform rubberwood processing tasks such as pre-seasoning, chemical treatment, and post-seasoning. Understand the importance of legal and environmental compliance in rubberwood processing.	This role aligns with NSQF Level 3 as it requires basic theoretical knowledge and the ability to carry out routine and predictable tasks with some degree of supervision.	3
Professional and Technical Skills/ Expertise/ Professional Knowledge	Demonstrate ability to follow standardized processes for rubberwood pre-seasoning, chemical treatment, and post-seasoning. Apply basic professional knowledge to ensure proper handling and treatment of rubberwood.	The job role involves applying limited range of practical and professional skills to perform clearly defined tasks under supervision, indicating alignment with NSQF Level 3.	3
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	Show competence in adhering to health and safety protocols, understanding the importance of compliance with environmental and legal standards. Develop basic employability skills such as teamwork, communication, and time management.	This level emphasizes the development of basic professional skills and a readiness to follow instructions and procedures, reflecting the technician's ability to perform tasks with limited autonomy.	3
Broad Learning Outcomes/Core Skill	Acquire skills to perform pre-seasoning, chemical treatment, and post-seasoning of rubberwood. Understand the use of tools and equipment required for these processes, along with safety measures. Develop the ability to document and report tasks as per guidelines.	The role involves mastering basic core skills necessary for carrying out routine tasks effectively, under supervision, and with adherence to guidelines, fitting the criteria for NSQF Level 3.	3

Responsibility	Responsible for following health and safety protocols, maintaining compliance with environmental and legal standards, and ensuring the quality of processed rubberwood. Accountable for proper documentation and reporting of the tasks performed.	he job role requires a moderate level of responsibility where the technician is accountable for their own work within defined parameters, matching the responsibilities outlined for NSQF Level 3.	3
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Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 30

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	Borax	As per Industry Standards	As required
2	Boric Acid	As per Industry Standards	As required
3	Sodium Pentachlorophenate	As per Industry Standards	As required
4	Mixing tanks	100 litres	2 units
5	Stirring rod	As per Industry Standards	5 units
6	Kiln	Dry/ Dehumidification/ Vacuum/ Boiler/ Solar Kiln	1 unit
7	Chemical Treatment Tank	Normal/ Vacuum Pressure Tank (1000 Litres)	2 units
8	Moisture Meters	As per Industry Standards	5 units
9	Measuring Tapes	As per Industry Standards	10 units
10	Hammers	As per Industry Standards	10 units
11	Screwdrivers	As per Industry Standards (Set of 10)	5 sets
12	Forklifts	As per Industry Standards	5 units
13	Stacking boards	As per Industry Standards	As required
14	Spacers	As per Industry Standards	As required
15	Pallets	As per Industry Standards	20 units
16	Plastic Wraps	As per Industry Standards	5 rolls
17	Strapping tools	As per Industry Standards	5 sets
18	PPE kit	Gloves, Mask, Apron Goggles	30 pairs
19	First Aid Kits	As per Industry Standards	2 units
20	Compliance checklist	As per Industry standards	30 copies
21	Environmental Regulation Guidelines	As per Industry Standards	30 copies
22	Fire Extinguishers	ABC Type, 5kg	4 units

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Whiteboard
2. Projector
3. Computer/Laptop
4. Chairs
5. Tables
6. Whiteboard marker
7. Duster
8. Laptop External Speakers

Annexure: Industry Validations Summary

Provide the summary information of all the industry validations in table. This is not required for OEM qualifications.

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)
1	Kerala Forest Research Institute	Dr. Shweta B. Kukreti	Scientist B	Peechi, Thrissur, Kerala	9458327192	bhattshwetafri@gmail.com	
2	Institute of Wood Science and Technology	Dr. M.P. Singh, IFS	Director	18 Cross, Malleshwaram, Bengaluru	9740673451	Dir_iwst@icfre.org	
3	Forest Research Institute	Dr. D.P. Khali	Scientist	Dehradun	7906750906	khalidp@icfre.org	

Annexure: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities

Data to be provided year-wise for next 3 years

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

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.
- 2.

Content availability for previous versions of qualifications:

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

Languages in which Content is available:

Annexure: Blended Learning

Blended Learning Estimated Ratio & Recommended Tools:

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&%20Skilling.pdf>

S. No.	Select the Components of the Qualification	List Recommended Tools – for all Selected Components	Offline : Online Ratio
1	☒ Theory/ Lectures - Imparting theoretical and conceptual knowledge	- Books/ e-books - Presentations - Reference Material - Audio / Video Modules	40:60
2	☒ Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners	- Self-Learning Videos - Broadcasts - Mobile Learning - Curated Digital content	40:60
3	☒ Showing Practical Demonstrations to the learners	- Video Content - E-Resource library - AR/ VR/ XR	40:60
4	☒ Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training	- Training tools (tools list attached) - Video Play - Presentations	40:60
5	☒ Tutorials/ Assignments/ Drill/ Practice	- Online Question Bank - Mobile Quick test app	40:60

		MCQ based tests	
6	☒ Proctored Monitoring/ Assessment/ Evaluation/ Examinations	- Assessment engine for Essays - Up-loadable file examinations - Mock test sessions	40:60
7	☒ On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training	- Online tests - Offline assessments	40:60

Annexure: Detailed Assessment Criteria

Detailed assessment criteria for each NOS/Module are as follows:

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
RSC/N5626: Follow Environmental and Legal Compliance	<i>Legal permits, documentation, and sustainable practices</i>	15	20	-	-
	PC1. ensure necessary permits and licenses from relevant authorities has been secured before felling of rubberwood	2	2	-	-
	PC2. maintain accurate records of the source of rubberwood, including ownership documents and permissions	3	4	-	-
	PC3. ensure compliance with the Indian Forest Act, 1927, and other local forestry laws	3	4	-	-
	PC4. follow sustainable harvesting guidelines, including selective logging and replanting to ensure forest regeneration	2	4	-	-
	PC5. conduct Environmental Impact Assessments (EIA) to understand and mitigate potential impacts of logging activities	2	2	-	-
	PC6. implement measures to reduce environmental impacts based on EIA findings	3	4	-	-
	<i>Environmental regulations, health and safety guidelines, and regular monitoring</i>	25	40	-	-
	PC7. comply with the Air (Prevention and Control of Pollution) Act, 1981, and the Water (Prevention and Control of Pollution) Act, 1974	3	4	-	-
	PC8. ensure pollution control equipment are installed to manage emissions and effluents from seasoning and chemical treatment processes	2	4	-	-
	PC9. ensure waste management plan for sawdust, wood chips, and chemical waste are implemented	3	4	-	-
	PC10. ensure proper disposal of chemical waste according to guidelines set by the Central Pollution Control Board (CPCB)	2	4	-	-
	PC11. store chemicals used for wood treatment in compliance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016	3	4	-	-

	PC12. properly label, handle, and dispose of chemicals to prevent environmental contamination	2	4	-	-
	PC13. follow the Factories Act, 1948, for worker safety and health	2	3	-	-
	PC14. ensure compliance with the Energy Conservation Act, 2001, to reduce energy consumption	2	4	-	-
	PC15. keep detailed records of all processes and compliance measures	2	3	-	-
	PC16. submit necessary reports to regulatory bodies, such as the State Pollution Control Board (SPCB) and CPCB	2	3	-	-
	PC17. ensure transparency in reporting environmental and safety performance	2	3	-	-
	Total Marks	40	60	-	-
RSC/N5007: Follow health & safety protocol	<i>Maintain a clean and efficient workplace</i>	9	21	-	-
	PC1. undertake basic safety checks before operation of all machinery and equipment and report hazards to the appropriate supervisor	2	2	-	-
	PC2. work for which protective clothing or equipment is required is identified and the appropriate protective clothing or equipment is used in performing these duties in accordance with workplace policy	2	2	-	-
	PC3. read and understand the hazards of use and contamination mentioned on the labels of chemicals, utilities etc.	-	2	-	-
	PC4. prior to performing manual handling jobs, risk is assessed and work is carried out according to currently recommended safe practices.	2	2	-	-
	PC5. use equipment and materials safely and correctly and return the same to designated storage when not in use	1	2	-	-
	PC6. dispose off waste safely and correctly in a designated area	2	4	-	-
	PC7. risks to bystanders are recognized and action taken to reduce risk associated with jobs in the workplace	-	2	-	-
	PC8. perform work in a manner which minimizes environmental damage	-	2	-	-
	PC9. all procedures and work instructions for controlling risk are followed closely	-	1	-	-
	PC10. report any accidents, incidents or problems without delay to an appropriate person and take immediate necessary action to reduce further danger	-	2	-	-
	<i>Render appropriate emergency procedures</i>	9	18	-	-
	PC11. follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to emergency.	2	4	-	-
	PC12. follow emergency procedures as per company standards and workplace requirements	2	4	-	-
	PC13. use emergency equipment in accordance with manufacturers' specifications and workplace requirements	2	4	-	-

	PC14. provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques.	-	1	-	-
	PC15. recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate	-	2	-	-
	PC16. dispose off medical waste in accordance with workplace requirements	-	1	-	-
	PC17. report details of first aid administered in accordance with work place procedures	3	2	-	-
	<i>Maintain standard safety procedures at the workplace</i>	6	15	-	-
	PC18. comply with general safety procedures	2	4	-	-
	PC19. follow standard safety procedures while handling equipment, hazardous material or tool	-	2	-	-
	PC20. check parts of the workplace and take preventive actions like spraying and other steps to protect from leakages, water logging, pests, fire, pollution, etc.	2	4	-	-
	PC21. ensure no accidents and damages at the workplace, reporting of any breach of company safety procedure	-	1	-	-
	PC22. keep the workplace organized, swept, clean and hazard free	2	4	-	-
	<i>Participate in safety awareness campaigns</i>	2	8	-	-
	PC23. attend fire drills and other safety related workshops organized at the workplace	1	3	-	-
	PC24. be aware of first aid, evacuation and emergency procedures	1	3	-	-
	PC25. be alert of any events and do not be negligent to any safety procedures to be followed	-	2	-	-
	<i>Understand potential sources of accidents</i>	1	3	-	-
	PC26. avoid accidents while using hazardous chemicals, machines, sharp tools and equipment	1	3	-	-
	<i>Use safety gears to avoid accidents</i>	3	5	-	-
	PC27. use safety materials such as protective gear, goggles, caps, shoes, etc.(as applicable with workplace)	2	2	-	-
	PC28. handle heavy and hazardous materials with care and using appropriate tools and handling equipment such as trolleys, ladders	1	3	-	-
	Total Marks	30	70	-	-
RSC/N6204: Perform pre-seasoning of rubberwood	<i>Preparing rubberwood sawn timber for pre- seasoning</i>	8	22	-	-
	PC1. check the quality of sawn and sectioned rubberwood sawn timber	1	3	-	-
	PC2. categorize the received rubberwood sawn timber on the basis of its size and its final requirement to make furnitures	2	5	-	-
	PC3. measure the moisture content of received rubberwood sawn timber and segregate them accordingly	2	6	-	-

	PC4. identify green, partially dried and air dried rubberwood sawn timber	2	5	-	-
	PC5. ensure the sorting is done as per the SOP	1	3	-	-
	<i>Perform pre-seasoning of rubberwood sawn timber</i>	22	48	-	-
	PC6. select a suitable process for pre-seasoning	3	4	-	-
	PC7. setup the area and equipments as per the method of pre-seasoning chosen	3	7	-	-
	PC8. perform pre-seasoning on partially dried and green rubberwood sawn timber using the chosen method	3	8	-	-
	PC9. check the moisture content of air dried rubberwood sawn timber	3	7	-	-
	PC10. ensure the moisture content of air dried rubberwood sawn timber is in the range of 12-18%	4	7	-	-
	PC11. analyse the moisture content of pre- seasoned partially dried and green rubberwood sawn timber	2	6	-	-
	PC12. ensure the moisture content of pre- seasoned rubber wood sawn timber is in the range of 12-18%	2	6	-	-
	PC13. move the pre-seasoned and air dried rubberwood sawn timber for chemical treatment	2	3	-	-
	Total Marks	30	70		
RSC/N4408: Prepare boron solution and perform chemical treatment on rubber wood	<i>Preparing boron solution</i>	12	27	-	-
	PC1. select the process of boron treatment to be opted for chemical treatment of rubber wood	2	4	-	-
	PC2. opt out the concentration of boron solution required for chemical treatment of rubber wood as per the process chosen	2	4	-	-
	PC3. measure the weight of boric acid and borax accurately as per the required proportion	3	5	-	-
	PC4. prepare the boron solution as per the required solution strength	1	4	-	-
	PC5. add 0.5% of suitable fungicide (like Sodium Pentachlorophenate) if required	2	4	-	-
	PC6. ensure the prepared solution is as per the requirement of the tank	1	3	-	-
	PC7. confirm the solution is mixed well and meets the requirements	1	3	-	-
	<i>Preparing rubber wood for chemical treatment</i>	6	17	-	-
	PC8. make sure that the rubber wood are in sizes as per the size of the tank	1	3	-	-
	PC9. ensure rubber woods have undergone pre- seasoning	1	3	-	-
	PC10. measure the moisture content of the rubber wood using moisture meter	2	4	-	-
	PC11. verify that the moisture content of rubber wood picked for chemical treatment is in the range of 12-18%	1	5	-	-
	PC12. perform stacking of rubber wood pieces into the fixture if required	1	2	-	-
	<i>Performing chemical treatment on rubber wood</i>	12	26	-	-

	PC13. prepare the equipments required for chemical processing of rubber wood as per the chosen method	2	5	-	-
	PC14. operate the equipments as per the standard operating procedure	2	5	-	-
	PC15. maintain the process factors like time, pressure, temperature as per the selected method	3	6	-	-
	PC16. make sure the process is completed within the stipulated time and the equipments are shut off	2	5	-	-
	PC17. take out the chemically treated rubber wood sawn timber from the tank	1	2	-	-
	PC18. determine penetration of chemicals in the rubberwood sawn timber before sending them for post-seasoning	2	3	-	-
	Total Marks	30	70		
RSC/N6205: Carry out post-seasoning of rubberwood	<i>Verifying and preparing chemically treated rubberwood sawn timber for post seasoning</i>	12	17	-	-
	PC1. ensure the received rubberwood has been adequately treated with appropriate chemical solution	2	2	-	-
	PC2. measure the moisture content inside the chemically treated rubberwood sawn timber	3	4	-	-
	PC3. position the rubberwood sawn timber in a well ventilated area away from rain and sunlight	2	3	-	-
	PC4. perform stacking of rubberwood sawn timber to facilitate air circulation	2	4	-	-
	PC5. check whether the chemically treated rubberwood sawn timber require air seasoning or kiln seasoning on the basis of comparison between current moisture of the treated logs and the EMC (Equilibrium Moisture Content) to be achieved	3	4	-	-
	<i>Perform post-seasoning on rubberwood sawn timber</i>	24	35	-	-
	PC6. keep the rubberwood sawn timbers which needs air seasoning in the ventilated area in stacked position	2	3	-	-
	PC7. choose the appropriate kiln seasoning method for post-seasoning of rubberwood	3	4	-	-
	PC8. transfer the rubberwood sawn timber which needs kiln seasoning to the kiln method chosen	2	3	-	-
	PC9. regulate kiln temperature and humidity to ensure uniform seasoning	3	4	-	-
	PC10. increase kiln temperature gradually to prevent cracking/ distortion of rubberwood	2	3	-	-
	PC11. maintain appropriate humidity levels during the post-seasoning process	3	4	-	-
	PC12. measure the moisture content of the rubberwood during post-seasoning using appropriate moisture meters	3	4	-	-

	PC13. ensure the moisture content of the rubberwood reaches in the optimal range of 8-12%	2	3	-	-
	PC14. continue kiln seasoning until the required moisture content is achieved	2	3	-	-
	PC15. gradually reduce the temperature of the kiln on reaching the required moisture content range allowing rubberwood to cool down evenly	1	2	-	-
	PC16. remove the post seasoned rubberwood from the kiln	1	2	-	-
	<i>Carry out inspection of rubberwood sawn timber post-seasoning</i>	4	8	-	-
	PC17. inspect the post-seasoned rubberwood sawn timber for defects such as warping, cracking or mold growth after successful cooling	1	2	-	-
	PC18. measure the moisture content in the post- seasoned rubberwood sawn timber	1	2	-	-
	PC19. ensure the moisture content is in the specified range	1	2	-	-
	PC20. transfer the rubberwood sawn timber which meets the quality standards to packaging section	1	2	-	-
	Total Marks	40	60		
RSC/N6206: Manage the treated sawn timber and pack them safely	<i>Proper handling</i>	16	24	-	-
	PC1. inspect finally seasoned rubber wood sawn timber for any signs of damage, defects, or mold growth before handling and packing	3	5	-	-
	PC2. clean the sawn timber to remove surface debris, dust, or residues, etc.	3	5	-	-
	PC3. utilize proper equipments like forklifts, pallet jacks, or cranes to handle sawn timber	3	5	-	-
	PC4. ensure use of personal protective equipment (PPE), including gloves, safety shoes, and protective clothing	3	5	-	-
	PC5. minimize handling frequency to reduce the risk of damage to the sawn timber	4	4	-	-
	<i>Effective wrapping</i>	24	36	-	-
	PC6. stack the rubberwood sawn timber on flat, clean surface without uneven pressure using spacers in between and uniform alignment	4	6	-	-
	PC7. cover stacked sawn timber completely with plastic wrap or shrink wrap to protect from moisture and dirt	4	6	-	-
	PC8. place desiccant packets between layers for long-term storage to control humidity and prevent mold growth	4	6	-	-
	PC9. use strong, adjustable straps or bands to tightly secure the stacked timber, ensuring straps are tight enough to hold sawn timber in place without causing damage	4	6	-	-
	PC10. add edge protectors or padding to the corners and edges of the stack to prevent damage from straps and during handling	4	6	-	-

	PC11. ensure other factors like proper ventilation, cushioning, clear labels, constant temperature and constant humidity are also taken care of during transit	4	6	-	-
	Total Marks	40	60		
DGT/VSQ/N0101: Employability Skills (30 Hours)	<i>Introduction to Employability Skills</i>	1	1	-	-
	PC1. understand the significance of employability skills in meeting the job requirements	-	-	-	-
	<i>Constitutional values – Citizenship</i>	1	1	-	-
	PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
	<i>Becoming a Professional in the 21st Century</i>	1	3	-	-
	PC3. 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.	-	-	-	-
	<i>Basic English Skills</i>	2	3	-	-
	PC4. speak with others using some basic English phrases or sentences	-	-	-	-
	<i>Communication Skills</i>	1	1	-	-
	PC5. follow good manners while communicating with others	-	-	-	-
	PC6. work with others in a team	-	-	-	-
	<i>Diversity & Inclusion</i>	1	1	-	-
	PC7. communicate and behave appropriately with all genders and PwD	-	-	-	-
	PC8. report any issues related to sexual harassment	-	-	-	-
	<i>Financial and Legal Literacy</i>	3	4	-	-
	PC9. use various financial products and services safely and securely	-	-	-	-
	PC10. calculate income, expenses, savings etc.	-	-	-	-
	PC11. approach the concerned authorities for any exploitation as per legal rights and laws	-	-	-	-
	<i>Essential Digital Skills</i>	4	6	-	-
	PC12. operate digital devices and use its features and applications securely and safely	-	-	-	-
	PC13. use internet and social media platforms securely and safely	-	-	-	-
	<i>Entrepreneurship</i>	3	5	-	-
	PC14. identify and assess opportunities for potential business	-	-	-	-
	PC15. identify sources for arranging money and associated financial and legal challenges	-	-	-	-
	<i>Customer Service</i>	2	2	-	-

	PC16. identify different types of customers	-	-	-	-
	PC17. identify customer needs and address them appropriately	-	-	-	-
	PC18. follow appropriate hygiene and grooming standards	-	-	-	-
	<i>Getting ready for apprenticeship & Jobs</i>	1	3	-	-
	PC19. create a basic biodata	-	-	-	-
	PC20. search for suitable jobs and apply	-	-	-	-
	PC21. identify and register apprenticeship opportunities as per requirement	-	-	-	-
	Total Marks	20	30	-	-
Grand Total		230	420		

Annexure: 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.

Assessment System Overview

Assessment will be carried out by RCPSPDC affiliated assessment partners. Based on the results of assessment, RCPSPDC certifies the learners. Candidates must pass online theoretical assessment which is approved by RCPSPDC.

The assessment will have both theory and practical components in 40:60 ratio.

While theory assessment is summative and an online written exam; practical will involve demonstrations of applications and presentations of procedures and other components. Practical assessment will also be summative in nature.

Testing Environment

Training partner must share the batch start date and end date, number of trainees and the job role.

Assessment is fixed for a day after the end date of training. It could be next day or later. Assessment will be conducted at the training venue.

Question bank of theory and practical will be prepared by assessment agency and approved by RCPSPDC. From this set of questions, assessment agency will prepare the question paper. Theory testing will include multiple choice questions, pictorial question, etc. which will test the trainee on theoretical knowledge of the subject.

The theory and practical assessments will be carried out on same day. If number of candidates are many, more assessors and venue will be organized on same day of the assessment.

Assessment			
Assessment Type	Formative or Summative	Strategies	Examples

Theory	Summative	Written Examination	Knowledge of facts related to the role and functions of the job. Understanding of principles and concepts related to the job role and functions
Practical	Summative	Structured tasks	Presentation
Viva	Summative	Questioning and Probing	Mock interview on topics

Assessment Quality Assurance Framework

Only certified assessor can be assigned for conducting assessment. Provision of 100 % video recording with clear audio to be maintained and the same is to be submitted to RCPSDC.

The training partner will intimate the time of arrival of the assessor and time of leaving the venue.

Methods of Validation

Unless the trainee is registered, the person cannot undergo assessment. To further ensure that the person registered is the person appearing for assessment, id verification will be carried out. Aadhar card number is required of registering the candidate for training. This will form the basis of further verification during the assessment. Assessor conducts the assessment in accordance with the assessment guidelines and question bank as per the job role. The assessor carries tablet with the loaded questions. This tablet is geotagged and so it is monitored to check their arrival and completion of assessment. Video of the practical session is prepared and submitted to RCPSDC. Random spot checks/audit is conducted by RCPSDC assigned persons to check the quality of assessment. Assessment agency will be responsible to put details in SIP.

RCPSDC will also validate the data and result received from the assessment agency.

Method of assessment documentation and access

The assessment agency will upload the result of assessment in the portal. The data will not be accessible for change by the assessment agency after the upload. The assessment data will be validated by RCPSDC assessment team. After upload, only RCPSDC can access this data. RCPSDC approves the results within a week and uploads on SIP.

On the Job:

1. Each module (which covers the job profile of Jr. Technician – Rubberwood Seasoning and Chemical Treatment (Lightwood Furniture)) will be assessed separately.
2. The candidate must score 50% in each module to successfully complete the OJT.
3. Tools of Assessment that will be used for assessing whether the candidate is having desired skills and etiquette of dealing with customers, understanding needs & requirements, assessing the customer and perform Soft Skills effectively:
 - Videos of Trainees during OJT
 - Answer Sheets of Question Banks

- Assessing the Log Book entries of Trainees at Employer location
 - Employer Performance Feedback.
4. Assessment of each Module will ensure that the candidate is able to:
- Carry out preparatory activities such as lifting of workpiece, inspection of tools and equipment etc.
 - Carry out pre-seasoning of rubberwood.
 - Prepare chemical solution and perform chemical treatment on rubber wood.
 - Carry out post-seasoning of rubberwood.
 - Manage treated timber and pack them accordingly.
 - Work effectively and efficiently as per schedules and timelines.
 - Escalate the problem to appropriate authority.
 - Implement safety practices.
 - Optimize the use of resources to ensure less wastage and maximum conservation.

Annexure: Acronym and Glossary

Acronym

Acronym	Description
AA	Assessment Agency
AB	Awarding Body
ISCO	International Standard Classification of Occupations
NCO	National Classification of Occupations
NCrF	National Credit Framework
NOS	National Occupational Standard(s)
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework
OJT	On the Job Training

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.
Long Term Training	Long-term skilling means any vocational training program undertaken for a year and above. https://ncvet.gov.in/sites/default/files/NCVET.pdf