

QUALIFICATION FILE

Shuttering Carpenter

☒ 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: 4

Submitted By:

Construction Skill Development Council of India

Address: CPB - 201 & 202, Block-4B, DLF Corporate Park, Phase - III, MG Road, Near Guru Dronacharya Metro Station, Gurugram, Haryana - 122002

Submitting Body Contact Details:

Name: Abhisek Prasad Mishra

Position in the Organization: Deputy Manager - Standards & Research

Address: Same as above

Tel number(s): 0124-4513915-18 Ext-23

E-mail address: abhisek@csdcindia.org

Table of Contents

Section 1: Basic Details	3
Section 2: Module Summary	6
NOS/s of Qualifications	6
Mandatory NOS/s:	6
Elective NOS/s:	7
Elective 1: System Formwork	7
Elective 2: Conventional Formwork	8
Optional NOS/s:	8
Section 3: Training Related	10
Section 4: Assessment Related	12
Section 5: Evidence of the need for the Qualification	13
Section 6: Annexure & Supporting Documents Checklist	13
Annexure: Evidence of Level	14
Annexure: Tools and Equipment (Lab Set-Up)	18
Annexure: Industry Validations Summary	24
Annexure: Training & Employment Details	28
Annexure: Blended Learning	29
Annexure: Detailed Assessment Criteria	30
Annexure: Assessment Strategy	49
Annexure: Acronym and Glossary	52
Annexure: Career Progression	54

Section 1: Basic Details

1.	Qualification Name	Shuttering Carpenter													
2.	Sector/s	Construction													
3.	Type of Qualification: ☐ New ☒ Revised ☒ Has Electives/Options ☐ OEM	NQR Code & version of existing/previous qualification: (QG-3.5-CO-03393-2024-V1.1-CSDCI, v 3.0)	Qualification Name of existing/previous version: Shuttering Carpenter (System / Conventional)												
4.	a. OEM Name b. Qualification Name <i>(Wherever applicable)</i>	NA													
5.	National Qualification Register (NQR) Code & Version <i>(Will be issued after NSQC approval)</i>	QG-04-CO-03963-2025-V2-CSDCI & v 4.0	6. NCrF/NSQF Level: 4												
7.	Award (Certificate/Diploma/Advanced Diploma/ Any Other) <i>(Wherever applicable specify multiple entry/exits also & provide details in annexure)</i>	Certificate													
8.	Brief Description of the Qualification	A Shuttering Carpenter is responsible for making shutters and assembling system/ conventional formwork for RCC structures such as columns, beams, slabs, walls, foundations and other similar structures.													
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>12th grade pass</td> <td></td> </tr> <tr> <td>2.</td> <td>Completed 2nd year of 3-year diploma after 10th (in Civil Engineering)</td> <td></td> </tr> <tr> <td>3.</td> <td>11th grade pass</td> <td>1-year relevant experience</td> </tr> </tbody> </table>		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1.	12th grade pass		2.	Completed 2nd year of 3-year diploma after 10 th (in Civil Engineering)		3.	11th grade pass	1-year relevant experience
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)													
1.	12th grade pass														
2.	Completed 2nd year of 3-year diploma after 10 th (in Civil Engineering)														
3.	11th grade pass	1-year relevant experience													

		<table border="1"> <tr> <td>4.</td><td>10th grade pass</td><td>2-year relevant experience</td></tr> <tr> <td>5.</td><td>8th grade pass</td><td>4-year relevant experience</td></tr> <tr> <td>6.</td><td>Previous relevant qualification of NSQF Level 3 (Assistant Shuttering Carpenter)</td><td>3-year relevant experience</td></tr> </table>	4.	10th grade pass	2-year relevant experience	5.	8th grade pass	4-year relevant experience	6.	Previous relevant qualification of NSQF Level 3 (Assistant Shuttering Carpenter)	3-year relevant experience																											
4.	10th grade pass	2-year relevant experience																																				
5.	8th grade pass	4-year relevant experience																																				
6.	Previous relevant qualification of NSQF Level 3 (Assistant Shuttering Carpenter)	3-year relevant experience																																				
		b. Min. Job Entry Age: As Per Govt. Norms																																				
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	<table border="1"> <tr> <td>14</td><td>11. Common Cost Norm Category (I/II/III) (wherever applicable): I</td></tr> </table>	14	11. Common Cost Norm Category (I/II/III) (wherever applicable): I																																		
14	11. Common Cost Norm Category (I/II/III) (wherever applicable): I																																					
12.	Any Licensing requirements for Undertaking Training on This Qualification (wherever applicable)	NA																																				
13.	Training Duration by Modes of Training Delivery (Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)	Minimum Duration: - ☒ Offline ☐ Online ☐ Blended <table border="1"> <thead> <tr> <th>Training Delivery Modes</th><th>Theory (Hours)</th><th>Practical (Hours)</th><th>OJT Mandatory (Hours)</th><th>OJT Recommended (Hours)</th><th>Total (Hours)</th></tr> </thead> <tbody> <tr> <td>Classroom (offline)</td><td>120</td><td>240</td><td>60</td><td>-</td><td>420</td></tr> <tr> <td>Online</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> (Refer Blended Learning Annexure for details) Maximum Duration: - ☒ Offline ☐ Online ☐ Blended <table border="1"> <thead> <tr> <th>Training Delivery Modes</th><th>Theory (Hours)</th><th>Practical (Hours)</th><th>OJT Mandatory (Hours)</th><th>OJT Recommended (Hours)</th><th>Total (Hours)</th></tr> </thead> <tbody> <tr> <td>Classroom (offline)</td><td>150</td><td>330</td><td>90</td><td>-</td><td>570</td></tr> <tr> <td>Online</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> (Refer Blended Learning Annexure for details)	Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	120	240	60	-	420	Online						Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	150	330	90	-	570	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																																	
Classroom (offline)	120	240	60	-	420																																	
Online																																						
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																																	
Classroom (offline)	150	330	90	-	570																																	
Online																																						

14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO-2015/7115.0201	
15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	Foreman Formwork	
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	To encourage women to participate in shuttering carpentry job roles, it is important to provide education, mentorship, and networking opportunities, as well as training and development programs. Flexible work arrangements and promoting successful women in shuttering carpentry can also inspire and encourage women to pursue careers in this field. Creating a culture of inclusion and diversity can help women feel welcome and valued in shuttering carpentry job roles, through policies and practices that support work-life balance, equal pay and promotion opportunities, and a safe and respectful workplace.	
20.	Are Greening/ Environment Sustainability Aspects Covered (Specify the NOS/Module which covers it)	☒ Yes ☐ No CON/N9001	
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 (In case of CS or MS, provide details of both Lead AB & Supporting ABs)	Name: Abhisek Prasad Mishra Email: abhisek@csdcindia.org Contact No.: 0124-4513915-18 Ext-23 Website: www.csdcindia.org	
23.	On-File Approval Date by NSQC: 07-05-2025	24. Validity Duration: 3 Years	25. Next Review Date: 30-04-2028

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 Training **Man.**-Mandatory **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.	Make wooden shutters used in shuttering carpentry	CON/N0302 & V 5.0	Core	4	2	15	30	15	-	60	30	70	-	-	100	20
2.	Carry out quality check for shuttering works	CON/N0304 & V 5.0	Core	4	3	30	45	15	-	90	30	70	-	-	100	20
3.	Work according to personal health, safety and environment protocols at construction site	CON/N9001 & V 3.0	Core	4	1	05	25	-	-	30	30	70	-	-	100	10

4.	Work effectively in a team to deliver desired results at the workplace	CON/N8001 & V 3.0	Non-Core	4	1	05	25	-	-	30	30	70	-	-	100	10
5.	Plan and organize work to meet expected outcomes	CON/N8002 & V 4.0	Non-Core	4	1	05	25	-	-	30	30	70	-	-	100	10
6.	Employability Skills (30 Hours)	DGT/VSQ/N01 01 & V 1.0	Non-Core	2	1	30	-	-	-	30	20	30	-	-	50	10
Duration (in Hours) / Total Marks					9	90	150	30	-	270	170	380	-	-	550	80

Elective 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 Training **Man.**-Mandatory **Rec.**-Recommended **Proj.**-Project

Elective 1: System Formwork

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.	Assemble and	CON/N0303	Core	4	5	30	90	30	-	150	30	70	-	-	100	20

<On-file approved on: 07-05-2025>

<Ratified in 43rd NSQC Meeting: 08-05-2025>

QUALIFICATION FILE-<STT>

< NCVET- QG-04-CO-03963-2025-V2-CSDCI>

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)
	dismantle system formwork for R.C.C structures	& V 5.0														
Duration (in Hours) / Total Marks					5	30	90	30	-	150	30	70	-	-	100	20

Elective 2: Conventional Formwork

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.	Assemble and dismantle conventional shuttering / formwork for RCC structures	CON/N0315 & V 5.0	Core	4	5	30	90	30	-	150	30	70	-	-	100	20
Duration (in Hours) / Total Marks					5	30	90	30	-	150	30	70	-	-	100	20

Optional NOS/s:

<On-file approved on: 07-05-2025>

<Ratified in 43rd NSQC Meeting: 08-05-2025>

QUALIFICATION FILE-<STT>

< NCVET- QG-04-CO-03963-2025-V2-CSDCI>

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.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Duration (in Hours) / Total Marks					NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)						
		Minimum Educational Qualification	Specialization	Relevant Industry Experience		Preferable Training Experience	
				Years	Specialization	Years	Specialization
		B.E. / B.Tech	Civil / Mechanical Engineering	2	Site Execution (Civil Work)	1	Shuttering Carpentry Work
		OR					
		Diploma	Civil Engineering	3	Site Execution (Civil Work)	1	Shuttering Carpentry Work
		OR					
		ITI	Relevant Trade	6	Site Execution (Civil Work)	1	Shuttering Carpentry Work
		OR					
		Graduation	in any Stream	6	Site Execution (Civil Work)	1	Shuttering Carpentry Work
		OR					
		Ex-Army Graduate	in any Stream	6	Site Execution (Civil Work)	1	Shuttering Carpentry Work

2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	<table border="1"> <thead> <tr> <th data-bbox="743 277 1037 412" rowspan="2">Minimum Educational Qualification</th> <th data-bbox="1037 277 1283 412" rowspan="2">Specialization</th> <th colspan="2" data-bbox="1283 277 1377 412">Relevant Industry Experience</th> <th colspan="2" data-bbox="1377 277 1608 412">Preferable Training Experience</th> </tr> <tr> <th data-bbox="1283 350 1377 412">Years</th> <th data-bbox="1377 350 1608 412">Specialization</th> <th data-bbox="1608 350 1703 412">Years</th> <th data-bbox="1703 350 1940 412">Specialization</th> </tr> </thead> <tbody> <tr> <td data-bbox="743 412 1037 488">B.E. / B.Tech</td> <td data-bbox="1037 412 1283 488">Civil / Mechanical Engineering</td> <td data-bbox="1283 412 1377 488">6</td> <td data-bbox="1377 412 1608 488">Site Execution (Civil Work)</td> <td data-bbox="1608 412 1703 488">1</td> <td data-bbox="1703 412 1940 488">Shuttering Carpentry Work</td> </tr> <tr> <td colspan="6" data-bbox="743 488 1940 526">OR</td> </tr> <tr> <td data-bbox="743 526 1037 602">Diploma</td> <td data-bbox="1037 526 1283 602">Civil Engineering</td> <td data-bbox="1283 526 1377 602">8</td> <td data-bbox="1377 526 1608 602">Site Execution (Civil Work)</td> <td data-bbox="1608 526 1703 602">1</td> <td data-bbox="1703 526 1940 602">Shuttering Carpentry Work</td> </tr> <tr> <td colspan="6" data-bbox="743 602 1940 639">OR</td> </tr> <tr> <td data-bbox="743 639 1037 716">ITI</td> <td data-bbox="1037 639 1283 716">Relevant Trade</td> <td data-bbox="1283 639 1377 716">10</td> <td data-bbox="1377 639 1608 716">Site Execution (Civil Work)</td> <td data-bbox="1608 639 1703 716">1</td> <td data-bbox="1703 639 1940 716">Shuttering Carpentry Work</td> </tr> <tr> <td colspan="6" data-bbox="743 716 1940 753">OR</td> </tr> <tr> <td data-bbox="743 753 1037 862">Existing TOT certified Trainer in Skill Qualification</td> <td data-bbox="1037 753 1283 862">Shuttering Carpenter</td> <td data-bbox="1283 753 1377 862">2</td> <td data-bbox="1377 753 1608 862">Site Execution (Civil Work)</td> <td data-bbox="1608 753 1703 862">5</td> <td data-bbox="1703 753 1940 862">Shuttering Carpentry Work</td> </tr> </tbody> </table>	Minimum Educational Qualification	Specialization	Relevant Industry Experience		Preferable Training Experience		Years	Specialization	Years	Specialization	B.E. / B.Tech	Civil / Mechanical Engineering	6	Site Execution (Civil Work)	1	Shuttering Carpentry Work	OR						Diploma	Civil Engineering	8	Site Execution (Civil Work)	1	Shuttering Carpentry Work	OR						ITI	Relevant Trade	10	Site Execution (Civil Work)	1	Shuttering Carpentry Work	OR						Existing TOT certified Trainer in Skill Qualification	Shuttering Carpenter	2	Site Execution (Civil Work)	5	Shuttering Carpentry Work
Minimum Educational Qualification	Specialization	Relevant Industry Experience			Preferable Training Experience																																																	
		Years	Specialization	Years	Specialization																																																	
B.E. / B.Tech	Civil / Mechanical Engineering	6	Site Execution (Civil Work)	1	Shuttering Carpentry Work																																																	
OR																																																						
Diploma	Civil Engineering	8	Site Execution (Civil Work)	1	Shuttering Carpentry Work																																																	
OR																																																						
ITI	Relevant Trade	10	Site Execution (Civil Work)	1	Shuttering Carpentry Work																																																	
OR																																																						
Existing TOT certified Trainer in Skill Qualification	Shuttering Carpenter	2	Site Execution (Civil Work)	5	Shuttering Carpentry Work																																																	
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	Not Applicable																																																				

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	<table border="1"> <tr> <th rowspan="2">Minimum Educational Qualification</th> <th rowspan="2">Specialization</th> <th colspan="2">Relevant Industry Experience</th> </tr> <tr> <th>Years</th> <th>Specialization</th> </tr> <tr> <td>B.E. / B.Tech</td> <td>Civil / Mechanical Engineering</td> <td>2</td> <td>Site Execution (Civil Work)</td> </tr> <tr> <td colspan="4">OR</td> </tr> <tr> <td>Diploma</td> <td>Civil Engineering</td> <td>5</td> <td>Site Execution (Civil Work)</td> </tr> <tr> <td colspan="4">OR</td> </tr> <tr> <td>ITI</td> <td>Relevant Trade</td> <td>7</td> <td>Site Execution (Civil Work)</td> </tr> </table>	Minimum Educational Qualification	Specialization	Relevant Industry Experience		Years	Specialization	B.E. / B.Tech	Civil / Mechanical Engineering	2	Site Execution (Civil Work)	OR				Diploma	Civil Engineering	5	Site Execution (Civil Work)	OR				ITI	Relevant Trade	7	Site Execution (Civil Work)
Minimum Educational Qualification	Specialization	Relevant Industry Experience																										
		Years	Specialization																									
B.E. / B.Tech	Civil / Mechanical Engineering	2	Site Execution (Civil Work)																									
OR																												
Diploma	Civil Engineering	5	Site Execution (Civil Work)																									
OR																												
ITI	Relevant Trade	7	Site Execution (Civil Work)																									
2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	<table border="1"> <tr> <th rowspan="2">Minimum Educational Qualification</th> <th rowspan="2">Specialization</th> <th colspan="2">Relevant Technical Experience</th> </tr> <tr> <th>Years</th> <th>Specialization</th> </tr> <tr> <td>Graduation</td> <td>In Relevant Stream</td> <td>1</td> <td>-</td> </tr> <tr> <td colspan="4">OR</td> </tr> <tr> <td>Diploma</td> <td>In Relevant Stream</td> <td>2</td> <td>-</td> </tr> </table>	Minimum Educational Qualification	Specialization	Relevant Technical Experience		Years	Specialization	Graduation	In Relevant Stream	1	-	OR				Diploma	In Relevant Stream	2	-								
Minimum Educational Qualification	Specialization	Relevant Technical Experience																										
		Years	Specialization																									
Graduation	In Relevant Stream	1	-																									
OR																												
Diploma	In Relevant Stream	2	-																									
3.	Lead Assessor's/Master Assessor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	<table border="1"> <tr> <th rowspan="2">Minimum Educational Qualification</th> <th rowspan="2">Specialization</th> <th colspan="2">Relevant Industry Experience</th> </tr> <tr> <th>Years</th> <th>Specialization</th> </tr> <tr> <td>B.E. / B.Tech</td> <td>Civil / Mechanical Engineering</td> <td>10</td> <td>Site Execution (Civil Work)</td> </tr> <tr> <td colspan="4">OR</td> </tr> <tr> <td>Diploma</td> <td>Civil Engineering</td> <td>13</td> <td>Site Execution (Civil Work)</td> </tr> </table>	Minimum Educational Qualification	Specialization	Relevant Industry Experience		Years	Specialization	B.E. / B.Tech	Civil / Mechanical Engineering	10	Site Execution (Civil Work)	OR				Diploma	Civil Engineering	13	Site Execution (Civil Work)								
Minimum Educational Qualification	Specialization	Relevant Industry Experience																										
		Years	Specialization																									
B.E. / B.Tech	Civil / Mechanical Engineering	10	Site Execution (Civil Work)																									
OR																												
Diploma	Civil Engineering	13	Site Execution (Civil Work)																									
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
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No): Yes
3.	Government /Industry initiatives/ requirement (Yes/No): Yes
4.	Number of Industry validation provided: 27
5.	Estimated nos. of persons to be trained and employed: 6,000 & 4,200
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: (If “No”, why): NO, Last Communication was on 09/04/2025

Section 6: Annexure & Supporting Documents Checklist

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrf/NSQF level justification based on NCrf level/NSQF descriptors <i>(Mandatory)</i>	Yes
2.	Annexure: List of tools and equipment relevant for qualification <i>(Mandatory, except in case of online course)</i>	Yes
3.	Annexure: Detailed Assessment Criteria <i>(Mandatory)</i>	Yes
4.	Annexure: Assessment Strategy <i>(Mandatory)</i>	Yes
5.	Annexure: Blended Learning <i>(Mandatory, in case selected Mode of delivery is “Blended Learning”)</i>	No
6.	Annexure: Multiple Entry-Exit Details <i>(Mandatory, in case qualification has multiple Entry-Exit)</i>	No
7.	Annexure: Acronym and Glossary <i>(Optional)</i>	Yes
8.	Supporting Document: Model Curriculum <i>(Mandatory – Public view)</i>	Yes
9.	Supporting Document: Career Progression <i>(Mandatory - Public view)</i>	Yes
10.	Supporting Document: Occupational Map <i>(Mandatory)</i>	Yes
11.	Supporting Document: Assessment SOP <i>(Mandatory)</i>	Yes
12.	Any other document you wish to submit:	No

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	• Process of making wooden shutters used in shuttering carpentry • Process of carry out quality check for shuttering works • Process of assembling and dismantling system formwork for R.C.C structures • Process of assembling and dismantling conventional shuttering / formwork for RCC structures • Process of working effectively in a team to deliver desired results at the workplace. • Process of planning and organizing work to meet expected outcomes • Process of working according to personal health, safety and environment protocols at the construction site.	As detailed, the entire process followed by a Shuttering Carpenter is to make wooden shutters used in shuttering carpentry, carry out quality check for shuttering works, assemble and dismantle system formwork for R.C.C structures, assemble and dismantle system formwork for R.C.C structures. As the work is routine and is repeated multiple times, the work becomes predictable. As the Shuttering Carpenters are required to perform the task as per the required codes and standards following the method statement available for the task, they have a clear work situation.	4
Professional and Technical Skills/ Expertise/ Professional Knowledge	• Know the standard procedure for shuttering works • Understand the basic sketches / schematic working drawings relevant to making shutters, frames and moulds. • Know the different types of plywood and timber with their specifications and quality checks, as per requirements	The knowledge required for a Shuttering Carpenter is factual, as it is specific and limited to the knowledge of standard procedure for shuttering works; basic sketches / schematic working drawings relevant to making shutters, frames and moulds; different types of plywood and timber with their specifications and quality checks, as per requirements; selecting & using different carpentry tools and appropriate materials; major types of system formwork (Cuplock, DOKA, PERI, Mivan, Aluform) and their appropriate	4

	• Know how to select & use different carpentry tools and appropriate materials • Know the major types of system formwork (Cuplock, DOKA, PERI, Mivan, Aluform) and their appropriate applications • Know how to check for line, level and alignment • Know how to erect and brace major types of formwork as per site requirements • Know the different types of material used in conventional shuttering , their selection and use • Know the how to erect conventional staging using bamboo, ballies, pipe & coupler	applications; check for line, level and alignment; erecting and bracing major types of formwork as per site requirements; different types of material used in conventional shuttering , their selection and use; erecting conventional staging using bamboo, ballies, pipe & coupler. Therefore, their knowledge is applicable to their field of work only.	
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	• Use hand tools, power tools and machines • Check that timber, plywood are as per quality and requirements for making shutters • Prepare "cutting plan" for cutting of the plywood as per the sketches / schematic working drawing • Examine the fixed shutters with respect to the survey layouts/ drawings • Inspect the formwork supports for its stability	As indicated the skill set is required to use hand tools, power tools and machines; check that timber, plywood are as per quality and requirements for making shutters; prepare "cutting plan" for cutting of the plywood as per the sketches / schematic working drawing; examine the fixed shutters with respect to the survey layouts/ drawings; inspect the formwork supports for its stability; check the supporting base prior to erection of system formwork; check and ensure all tools, material, components are available as per requirements; check that line, level, alignment and plumb of the erected formwork is within tolerance limit; dismantle formwork shutters manually or by mechanical means as per requirement.	4

	• Check the supporting base prior to erection of system formwork • Check and ensure all tools, material, components are available as per requirements • Check that line, level, alignment and plumb of the erected formwork is within tolerance limit • Dismantle formwork shutters manually or by mechanical means as per requirement		
Broad Learning Outcomes/Core Skill	• Carry out the making wooden shutters used in shuttering carpentry • Carry out quality checks for the shuttering works • Carry out the process of assembling and dismantling system formwork for R.C.C structures • Carry out the process of assembling and dismantling conventional shuttering / formwork for RCC structures	The job holder is expected to carry out the making wooden shutters used in shuttering carpentry; quality checks for the shuttering works; assembling and dismantling of system formwork for R.C.C structures; assembling and dismantling of conventional shuttering / formwork for RCC structures	4
Responsibility	The individual in this job role will be responsible for the below-mentioned activities: • Cutting, sizing, and planing of timber and plywood using appropriate tools. • Make wooden shutter panel board • Ensure the quality of shuttering works for proper functioning • Assemble system formwork for RCC structures	A Shuttering Carpenter (System/ Conventional) is responsible for making shutters and assembling system/ conventional formwork for RCC structures such as columns, beams, slabs, walls, foundations and other similar structures.	4

	● Dismantle system formwork ● Assemble conventional shuttering / formwork for R.C.C structures ● Dismantle conventional formwork ● Support co-workers to execute the project requirements ● Practice inclusion ● Plan and prepare for work ● Organise required resources as per work plan ● Complete work as per the plan ● Follow safety norms as defined by the organization ● Adopt healthy & safe work practices ● Implement good housekeeping and environment protection process and activities ● Follow infection control guidelines as per applicability		
--	---	--	--

Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 30 Candidates

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1.	Claw Hammer	Number	10
2.	Handsaw	Number	10
3.	Tenon saw	Number	10
4.	Iron Jack Planner	Number	10
5.	Wooden Marking Gauge	Number	6
6.	Wooden Mortise Gauge	Number	6
7.	Spirit Level	Number	6
8.	Tri-Square	Number	10
9.	Auger	Number	6
10.	Steel Measuring Tape	Number	15
11.	Farmer Chisel	Number	10

12.	Mortise Chisel	Number	10
13.	Cutting Player	Number	6
14.	Screw Driver 10"	Number	10
15.	Marking Knife / Scribe	Number	10
16.	Wooden Mallet	Number	10
17.	Oil Stone (Rough / Smooth)	number	6
18.	Center Punch	Number	10
19.	Bench Vice	Number	6
20.	Hacksaw Frame with Blade	Number	15
21.	Triangle File - 6mm (Medium)	Number	15
22.	Half Round File	Number	15
23.	Rasp Cut File	Number	15
24.	Drill Bit	Number	30

25.	Plumb Bob	Number	6
26.	Ring Spanner	set	6
27.	Double End Spanner	set	6
28.	Screw Spanner 12" LM	Number	6
29.	Carpenter Working Table	Number	6
30.	Nail Bar	Number	15
31.	Measuring Tape- 5m	Number	30
32.	Water Level Tube	Number	10
33.	Plumb-Bob	Number	10
34.	Mason's Line	Number	10
35.	Lifting Appliance (Sling, Shackle, Belts)	Number	1
36.	System Formwork Components and Fixtures (For Footing, Column, Wall, Beam, Slab)	set	3
37.	Cup-Lock Scaffolding Components (Set)/Frame Scaffold Components	set	3

38.	Staircase Tower Components with Fixtures	set	1
39.	Swivel Coupler	Number	30
40.	40 NB Pipes	Number	15
41.	Fixed Clamp	Number	30
42.	Steel Walkways	set	5
43.	Aluminium/ GI ladder	Number	5
44.	Safety Net	Number	5
45.	Safety Helmet	Number	30
46.	Safety Goggles	Number	30
47.	Safety Shoes	Pair	30
48.	Safety Belt	Number	30
49.	Cotton Gloves	Number	30
50.	Ear Plugs / Ear Protection	Number	30

51.	Reflective Jackets	Number	30
52.	Dust Mask / Nose Mask	Number	30
53.	Fire Prevention Kit	Number	2
54.	Conventional Formwork Components and Fixtures	set	5
55.	Conventional Scaffolding Components (Set)	set	5
56.	Bamboo	Number	60
57.	Bellies	Number	40
58.	Pipe & Coupler Scaffold Components	set	3
59.	Tying Thread	Number	10
60.	Leather Hand Gloves	Number	30
61.	Jump Suit	Number	10
62.	Wire Brush	Number	15
63.	Hand and Leg Guard Leather	Number	15

64.	Sand Buckets	Number	5
65.	Flashback Arrestors	Number	10
66.	Welding Helmet	Number	30
67.	Welding Glass	Number	15
68.	Fire Extinguisher	Number	2
69.	First Aid Box	Number	2
70.	Safety Tags	Number	10
71.	Safety Notice Board/ Safety Message Board	Number	5
72.	Caster Wheels	Number	5

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Training Kit (Trainer Guide, Presentations)
2. Whiteboard/ Blackboard
3. Marker
4. Projector
5. Working Model

Annexure: Industry Validations Summary

Provide the summary information of all the industry validations in the 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	Larsen and Toubro Ltd	J Raguraman	Head, CSTD	PB No 979, Mount Poonamallee Road, Manapakkam, Chennai, 600089	9943247482	jraguraman@Intecc.com	
2	National Academy of Construction	M Indra Kiran	Director	Near SS Convention Center, Labbipet, Vijayawada, Andhra Pradesh, PIN: 520010	9849470249	nacaptrainings@gmail.com	
3	Indian Institute of Infrastructure and Construction	Prof. (Dr.) B. Sunil Kumar	Director, IIIC	Near Chavara Bridge, AMC, Puthanthura Post, Neendakara - 69L582, Kollam. Kerala	9895013924	director@iiic.ac.in	
4	JK Cement Ltd	Ashish Singh	General Manager	Kamla Tower, Kanpur Nagar, UP, 208001	9468837057	ashish.singh1@jkcement.com	
5	Kamac Engineers Pvt Ltd	Yudhajit Saha	Manager – Contracts & Planning	Ramkrishna Samity Building, Panitanki More, 40/107, Sevoke Rd, Ward 11, Near Pani Tanki More (Clock Tower), Siliguri, West Bengal 734001	8240040261	planning@kamac.in	
6	One Naga Construction Private Limited	Tunito Alex Zhimomi	CEO	DR.N. Theuno; Bayavu; Near N.B.S Office Area; Kohima; Kohima;	7005715093	alexzim881@gmail.com	

<On-file approved on: 07-05-2025>

<Ratified in 43rd NSQC Meeting: 08-05-2025>

QUALIFICATION FILE-<STT>

< NCVET- QG-04-CO-03963-2025-V2-CSDCI>

				Nagaland; 797001; India			
7	OP Jindal Community College	Om Prakash Verma	Principal	O P Jindal Industrial Park, Tumidih, Chhattisgarh 496107		omprakash.v erma@opjcc raigarh.edu.i n	
8	Poddar Infratech Pvt Ltd	Ms. Neha Devgan	Contracts Manager	202, Crowne Heights, Sector 10 , Rohini , New Delhi	844952188 1	letters@pod darinfra.com	
9	Solidstone Constructions	Pragadeeshwar an R J	Principal Designer & Chief Execution (Civil)	7/2 Perumal Nagar, No4 Veerapandi, CBE – 19	790478863 0	solidstone.pr ojects@gmai l.com	linkedin.co m/in/praga deeshwaran -r-j- 6baab7193
10	Star Projects Services Pvt Ltd	H. Asgar	9811376288	K-108 A, First Floor, Above JD Saloon, Thokar No. 5, Abul Fazal Enclave Part –I, Jamia Nagar, Okhla, N. Delhi 25	981137628 8	starprojectss ervices@gm ail.com	
11	Uralungal Labour Contract Co- operative Society	Prem Anand C	Deputy Manager, Learning & Development	Madappally College, Vadakara, 673102 Kozhikode - 673102. Kerala, India	892176398 4	prem.anand @ulccs.com	
12	Route To Connect	Hrisikesh Kashyap	Founder	Bagharbari, Guwahati, Assam	872090511 1	hrisi@rtssev en.in	
13	AK Consulting	Nirman Jain	Technical Head	6th Cross Rd, 1st Stage, Kadugondanahalli, Bengaluru, Karnataka 560045	704244733 6	nirmanjain77 7@gmail.co m	
14	Artificial Intelligence Technologies Ltd	Rohit Kumar Sharma	Sr. Developer	A-21 Kailash Colony, New Delhi – 110048	992756446 1	rohit.sharma @aituniversa l.com	

<On-file approved on: 07-05-2025>

<Ratified in 43rd NSQC Meeting: 08-05-2025>

QUALIFICATION FILE-<STT>

< NCVET- QG-04-CO-03963-2025-V2-CSDCI>

15	Asirbadh Projects and Infrastructure Limited	Kunwar Jee	GM (Projects)	A.G. Office Road, Doanda, Ranchi-834002, Jharkhand.	7858801901	ahplmd@yahoo.com	
16	Donge Project Management Consultants Pvt. Ltd.	Balkrishna Kulkarni	President	401, Imperial Heights, Akshar Chowk, OP Road, Vadodara	9819657656	balkrishna.kulkarni@dongrepmc.com	
17	Ephicacy Lifescience Analytics	Rahul Kumar Kaushik	Sr. Manager	2nd Main Rd, Sarvobhogam Nagar, Arekere, Bengaluru, Karnataka 560076	8859885973	rahul.Kaushik@ephicacy.com	
18	Freelance Architect (Individual Consultant)	Garvit Sharma	Architect	A-101 Radha Krishna Lane, Kaushambi, Ghaziabad, U.P	9971967901	grsharma97@gmail.com	
19	Institute of Management Technology	Sandeep Sharma	Chief Project Engineer & Senior Counsellor	Raj Nagar, Ghaziabad, UP, 201001	9810566031	sharma.sandyyk@gmail.com	
20	Know How Schools	Dipesh Bafna	Partner	Know How Schools LLP, C 601, Royal Casa, Ravet, Pune, 412101	9405266123	learn@knowhowschools.com	
21	L& T Skill Trainers Academy	DK Sharma	Principal - CSTI	Larsen & Toubro Ltd. Near Custom House, Versova Creek Madh Jetty, Madh, Mumbai, 400061	7660986699	deepaks@Intecc.com	
22	LK Engicons	Sameer	Owner	114, Bhawanpur, Meerut, UP, 250001	9808170639	sales@lkengicons.com	
23	Manpower Group Services India	Durgesh Begariya	Head Branch Operations	Unit-4 A/1 and A/2, 4th Floor, Plot No. 6, Uppal Plaza, Jasola, New Delhi	9824054165	durgesh.b@manpower.co.in	
24	Senryaku Management Private Limited	Udit Kumar	Consultant	UTC031, DLF The Ultima, Sector 81, Gurugram, HR 122004	9690909024	udit.kau@gmail.com	

<On-file approved on: 07-05-2025>

<Ratified in 43rd NSQC Meeting: 08-05-2025>

QUALIFICATION FILE-<STT>

< NCVET- QG-04-CO-03963-2025-V2-CSDCI>

25	Shrikant Gajanan Mhatre -Consulting Engineer & Valuer	Shrikant Gajanan Mhatre	Consulting Engineer & Valuer	Reg. No. CCRDP / R / 2022 / APL/ 00305 Approved Valuer No. - LM / CAT - I/ F - 4860, C P No. -180. SHIV NIWAS / Sagar Society, Private High School Road I Pen - Raigad -Maharashtra - India . 402 107.	9689728209	sshri1000@gmail.com	
26	Sunbright Manpower Solutions Pvt. Ltd	Arun Kumar	Supervisor	Shop No. 3144, Main Road, Narasapura, Kolar Taluk, Bangalore, Karnataka, 563133	7338463588	bangalore@sunbrightgroup.com	
27	ATS Homekraft	Bhumit Kamboj	General Manager, Program	ATS HomeKraft, 4th Floor, ATS Tower, Plot no-16, Sector-135, Noida-201305	9873951040	bhumit.kamboj@homekraft.in	

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
2025-26	1500	1050	300	150	Subject to the requirement of the Industry	Subject to the requirement of the Industry
2026-27	2000	1400	400	200	Subject to the requirement of the Industry	Subject to the requirement of the Industry
2027-28	2500	1750	500	250	Subject to the requirement of the Industry	Subject to the requirement of the Industry

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
V2.0	2022-23	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA
V2.0	2023-24	88	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA
V2.0	2024-25	3753	2402	1348	1348	NA	NA	NA	NA	NA	NA	NA	NA

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. AICTE
2. MoRTH
3. PMKVY 3.0

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: 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		
2	☐ Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners		
3	☐ Showing Practical Demonstrations to the learners		
4	☐ Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training		
5	☐ Tutorials/ Assignments/ Drill/ Practice		
6	☐ Proctored Monitoring/ Assessment/ Evaluation/ Examinations		
7	☐ On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training		

Annexure: Detailed Assessment Criteria

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

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Make wooden shutters used in shuttering carpentry	<i>Cutting, sizing, and planning of timber and plywood using appropriate tools</i>	15	35		
	PC1. use regular hand tools such as hand saw, chisel, jack hammer, nailing hammer, hand drill and other tools efficiently				
	PC2. use power tools and machines such as circular saw, hand drill machine, table mounted saw, planing machine and power drilling machine for cutting, sizing and planing of timber and plywood				
	PC3. follow ergonomic principles while operating the tools and machines				
	PC4. store and maintain all the relevant tools and machines	15	35		
	<i>Make wooden shutter panel board</i>				
	PC5. carry out visual check to ensure that timber, plywood are as per quality and requirements for making shutters				
	PC6. prepare "cutting plan" for cutting of the plywood as per the sketches / schematic working drawing				

	PC7. check that all fixtures, consumables and materials are available for shutter making				
	PC8. measure and mark the plywood/ timber using appropriate tools as per requirement				
	PC9. measure and mark form sheathing and stiffeners according to instructions and sketches				
	PC10. cut form sheathing material (plywood) and stiffeners (timber) within the tolerance limit and as per instructions / specifications				
	PC11. make wooden shutter panels using suitable joints as per specifications				
	PC12. smooth corners and edges of panels using appropriate tools				
	PC13. carry out nailing work as per standard practice ensuring rigidity of joints				
	PC14. ensure that shutter board dimensions are as per sketch				
NOS Total		30	70		

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out quality check for shuttering works	<i>Ensure the quality of shuttering works for proper functioning</i>	30 -	70 -	-	-
	PC1. examine the fixed shutters with respect to the survey layouts/ drawings				
	PC2. inspect if the release agent has been applied				
	PC3. check if the cover of reinforcement steel is as per the specifications				
	PC4. inspect joints of plywood and timber				
	PC5. check diagonal dimensions for its accuracy and take corrective action if a twist is observed				
	PC6. repair the damaged formwork boards / plates/ other components				
	PC7. ensure the water tightness of the whole shuttering / formwork system before concreting work				
	PC8. check plumb to ensure verticality is within tolerance limit				
	PC9. check dimensions according to				

	sketches / instructions to ensure that they are within tolerance limit				
	PC10. check props for verticality, position and spacing in case of load bearing support				
	PC11. check lines and levels according to sketches / instructions to ensure that they are within tolerance limit				
	PC12. inspect the formwork supports for its stability				
	PC13. obtain approvals for the erected formwork from superiors and rectify errors if any				
NOS Total		30	70		

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Work effectively in a team to deliver desired results at the workplace	<i>Interact and communicate in an effective manner</i>	18	42		
	PC1. pass on work related information/ requirement clearly to the team members				
	PC2. inform co-workers and superiors about any kind of deviations from work				
	PC3. report any unresolved problem to the supervisor immediately				
	PC4. obtain instructions from superiors and respond on the same				
	PC5. communicate to team members/subordinates for appropriate work technique and method				
	PC6. seek clarification and advice as per the requirement				
	<i>Support co-workers to execute the project requirements</i>	6	14		
	PC7. hand over the required material, tools, tackles, equipment and work fronts timely to interfacing teams				
	PC8. work together with co-workers in a synchronized manner				
	<i>Practice inclusion</i>	6	14		
	PC9. maintain cultural inclusivity at workplace				

	PC10. maintain disability friendly work practices				
	PC11. follow gender neutral practices at workplace				
	PC12. address discriminatory and offensive behaviour in a professional manner as per organizational policy				
NOS Total		30	70		

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Plan and organize work to meet expected outcomes	<i>Plan and prepare for work</i>	9	21		
	PC1. identify the targets and timelines set by superiors				
	PC2. determine the work requirements corresponding to task(drawings/schedules/instructions/ methodology), safety, tools and equipment prior to commencement of task				
	PC3. plan the work by analyzing the required outcomes, work procedures, allotted time, resource availability and known priorities				

	PC4. prepare the work areas in coordination with team members				
	PC5. plan for waste collection and disposal prior to and after completion of work				
	<i>Organise required resources as per work plan</i>	6	14		
	PC6. arrange the required manpower prior to commencement of work				
	PC7. organize the required materials, tools and tackles required for the task				
	<i>Complete work as per the plan</i>	15	35		
	PC8. engage allocated manpower in an appropriate manner				
	PC9. employ correct tools, tackles and equipment for the desired work				
	PC10. provide guidance to the subordinates to obtain desired outcome				
	PC11. use resources in an optimum manner to avoid any unnecessary wastage				
	PC12. use tools, tackles and equipment carefully to avoid damage				

	PC13. ensure the work processes adopted are in line with the specified standards and instructions				
	PC14. complete the work with the allocated resources within specified time				
	PC15. clean and organise the workplace after completion of task				
NOS Total		30	70		

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Work according to personal health, safety and environment protocols at construction site	<i>Follow safety norms as defined by the organization</i>	6	14		
	PC1. identify and report any hazards, risks or breaches in site safety to the appropriate authority				
	PC2. follow emergency and evacuation procedures in case of accidents, fires, natural calamities				
	PC3. follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable				

	PC4. follow all the protocols and safety techniques conveyed during safety awareness programs like Tool Box Talks, safety demonstrations and mock drills conducted at the site	15	35		
	PC5. select and operate different types of fire extinguishers corresponding to various types of fires as per EHS guideline				
	PC6. identify near miss, unsafe condition and unsafe act				
	<i>Adopt healthy & safe work practices</i>				
	PC7. use appropriate Personal Protective Equipment (PPE) as per work requirements for : Head Protection, Ear protection, Fall Protection, Foot Protection, Face and Eye Protection, Hand and Body Protection , and Respiratory Protection (if required)				
	PC8. handle all required tools, tackles, materials and equipment safely				
	PC9. follow safe disposal of waste, harmful and hazardous materials as per EHS guidelines				
	PC10. check and install all safety equipment as per standard guidelines				

	PC11. follow safety protocols and practices as laid down by site EHS department				
	PC12. obtain "height pass" clearance for working at heights				
	<i>Implement good housekeeping practices</i>				
	PC13. collect, segregate and deposit construction waste into appropriate containers based on their toxicity or hazardous nature	6	14		
	PC14. apply ergonomic principles wherever required				
	<i>Follow infection control guidelines as per applicability</i>				
	PC15. follow recommended personal hygiene, workplace hygiene and sanitization practices				
	PC16. clean and disinfect all materials, tools and supplies before and after use	3	7		
	PC17. report immediately to concerned authorities regarding signs and symptoms of illness of self and others				
NOS Total		30	70		

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
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>				
	PC7. communicate and behave appropriately with all genders and PwD	1	1		
	PC8. report any issues related to sexual harassment				
	<i>Financial and Legal Literacy</i>				
	PC9. use various financial products and services safely and securely	3	4		
	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>				
	PC12. operate digital devices and use its features and applications securely and safely	4	6		
	PC13. use internet and social media platforms securely and safely				
	<i>Entrepreneurship</i>				
	PC14. identify and assess opportunities for potential business	3	5		
	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>				
	PC19. create a basic biodata				
	PC20. search for suitable jobs and apply	1	3		
	PC21. identify and register apprenticeship opportunities as per requirement				
NOS Total		20	30	-	-

Elective NOS/s:

Elective 1: System Formwork

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Assemble and dismantle system formwork for R.C.C structures	<i>Assemble system formwork for RCC structures</i>	15	35		
	PC1. clean the shutter panels before using for shuttering work				
	PC2. check the supporting base prior to erection of system formwork				
	PC3. check and ensure all tools, material, components are available as per requirements				
	PC4. check that fixing of fasteners is as per system used and as per the requirements				
	PC5. apply release agents to sheathing material as per specifications and instructions				
	PC6. place and fix kicker for column, walls and check its position with respect to line, alignment, and necessary grid dimension				
	PC7. position and set out formwork manually or by mechanical means as per				

	instructions/drawing and requirement				
	PC8. use appropriate methods/ tools for levelling of the formwork such as water level pipe, dumpy level, auto level or laser levelling machine				
	PC9. position and provide necessary support to the formwork using props or other appropriate components based on system used				
	PC10. check for block-outs and cast-in services at specified locations				
	PC11. plug all openings and gaps using foam sheet and adhesive tape or other appropriate materials				
	PC12. ensure water tightness of form by providing form sheet or necessary packing material				
	PC13. position and fix props properly and check for plumb, position and spacing as specified or instructed				
	PC14. provide horizontal or vertical construction joints in case of structural element such as beam , column, slab as per standard practices				
	PC15. ensure tightness of tie rods, supports, and bracings				

	PC16. check that line, level, alignment and plumb of the erected formwork is within tolerance limit				
	PC17. check the linear or angular dimensions for accuracy and take necessary corrective measures if required				
	<i>Dismantle system formwork</i>				
	PC18. plan sequence of dismantling procedure as per standard practice and system used				
	PC19. remove bracing and all other supports provided to the formwork sequentially and safely as instructed				
	PC20. remove sheathing material sequentially using proper tools and tackles to avoid damage to structure or sheathing materials	15	35		
	PC21. dismantle formwork shutters manually or by mechanical means as per requirement				
	PC22. repair, clean and stack all the formwork materials/ components after dismantling				
NOS Total		30	70		

Elective 2: Conventional Formwork

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Assemble and dismantle conventional shuttering / formwork for RCC structures	<i>Assemble conventional shuttering / formwork for R.C.C structures</i>	15	35		
	PC1. clean shutter panels prior to use				
	PC2. check suitability of supporting base prior to erection of conventional formwork				
	PC3. check that all tools, materials, components and fixtures are available as per requirements				
	PC4. identify critical areas of the formwork and perform "Dry-mock up" for them as per the given instructions				
	PC5. apply release agents to sheathing material as per specifications and instruction				
	PC6. apply necessary soldier and walling				
	PC7. position and strike box-outs and bolt boxes, grout checks, level controls, angle fillets and features				
	PC8. use appropriate methods/ tools for levelling the formwork such as water				

	level pipe, dumpy level, auto level or laser levelling machine				
	PC9. position and provide necessary support using runner pieces , timber , props, tie systems appropriately				
	PC10. brace formwork support as per requirements and specifications				
	PC11. ensure water tightness of form by providing form sheet or appropriate packing material				
	PC12. check for proper fixing of tie rods, supports, bracings after erection				
	PC13. plug all openings and gaps using foam sheet and adhesive tape				
	PC14.check erected formwork for line, level, alignment within tolerance limit and provided supports				
	PC15.check the linear and angular dimension for the accuracy and take necessary corrective action if required				
	<i>Dismantle conventional formwork</i>				
	PC16. plan sequence of dismantling procedure for the conventional formwork as per standard practice	15	35		
	PC17. remove bracing and all other				

<On-file approved on: 07-05-2025>

<Ratified in 43rd NSQC Meeting: 08-05-2025>

QUALIFICATION FILE-<STT>

< NCVET- QG-04-CO-03963-2025-V2-CSDCI>

	supports sequentially and safely as instructed				
	PC18. dismantle formwork shutters manually or by mechanical means as per the requirements				
	PC19. repair, clean and stack all the formwork materials/ components after dismantling				
NOS Total		30	70		

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.

1. Assessment system Overview:

Assessment is done through CSDCI affiliated Assessment Agencies. Assessors are trained & certified by CSDCI after Training Of Assessor (TOA) program. Assessments is conducted to gauge and assess the trainee's skill and knowledge competency in the specified areas. The assessment will have both theory and practical components in 30:70 ratio for **Shuttering Carpenter** job role.

During the practical task, trainees are assessed on their workmanship, quality of finished product and time management. They will be graded for all their assessments based on the approved assessment strategy which is signed off by CSDCI. The Assessor submits an assessment plan to CSDCI prior to assessments.

The assessment plan contains the following information:

- What will be assessed, i.e. the competency based on each NOS based on theory and practical questions
- How assessment will occur i.e. methods of assessment
- When the assessment will occur
- Duration of assessment
- Where the assessment will take place i.e. context of the assessment (workplace/simulation)
- The criteria for decision making i.e. those aspects that will guide judgments
- Where appropriate, any supplementary criteria used to make a judgment on the level of performance.

2. Testing Environment:

- Training partner shares the batch start date and end date, number of trainees and the job role.
- Assessment will be 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/test center.
- The knowledge/theory assessments is conducted with proper seating arrangements with enough space between the candidates to prevent mal-practicing.
- Question set for theory and practical will be distributed to each candidate by the Assessor. Theory testing will include multiple choice questions, pictorial question, etc. which will test the trainee on his theoretical knowledge of the subject. The skill /practical assessments will be conducted in the approved test centers. The training provider will ensure adequate tools and materials are available to conduct the practical test.
- If number of candidates are more than 30, more assessors will be organized on same day to complete the assessment.

- The assessment has to comprise of two components, namely:
 - Knowledge assessment (theory/viva assessment)
 - Skill assessment (practical/hands-on skill assessment)

3. Mode of assessment:

- Demonstration/Practical for Performance /Skill Assessment
- Synoptic multiple-choice question test
- Viva for Knowledge Assessment

4. Performance/skill assessment:

- The performance/skill assessment will be conducted through demonstration/practical
- For the practical test trainees are assessed through a given task, which they have to complete correctly for them to be marked as passed.
- The assessment is conducted in a simulated working environment. Due to this fact, the assessors must note that the naturally occurring evidence of competence is unavailable or infrequent. Simulation must be undertaken in a Realistic Working Environment which provides an environment that replicates the key characteristics of the workplace in which the skill to be assessed is normally employed.

5. Knowledge Assessment:

- The knowledge assessments are conducted through written test/ viva.
- Synoptic test is used for this. It is an MCQ (Multiple Choice Question) test which are prepared externally and externally marked, meaning by agency having no link with training partners. The test may be conducted by the assessor in the oral mode, if required, considering the lack of reading and comprehending acumen (skills) of trainees. In such cases, the assessor will mention it on top of the MCQ submitted to CSDCI.
- The assessment strategy, weightage and duration of assessment for **Shuttering Carpenter** is summarized below

Assessment Type	Formative or Summative	Strategies	Weightage	Duration (hours)
Knowledge	Summative	MCQ/Viva	30	1.5
skill	Summative	Structured Practical Task	70	5.5

6. Assessment Quality Assurance framework:

- CSDCI has developed assessment criteria framework for each Qualification pack as per National Occupational Standards. The criteria framework includes weightages/marks for each criterion under knowledge and skill. The criteria ensure quality assurance as it ensures valid, consistent and fair assessments at all locations. Issued to the affiliated Assessment body. The Assessment body develop questions based on CSDCI issued assessment criteria.
- Evidences in the form of answer sheets in case of knowledge assessments are collected. For skill assessments videos and photographs

are prepared as evidence. These are submitted by the assessor to the assessment agency. CSDCI does random checks of the same with the participant/ trainee's ID and ascertains authenticity and validity of assessments.

- The training partner will intimate the time of arrival of the assessor and time of leaving the venue. Random spot checks/audit is conducted by CSDCI to monitor assessment.

7. 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 is carried out. Aadhar card number is part of registering the candidate for training. This forms the basis of further verification during the assessment.
- Assessor conducts the assessment through theory and practical questions developed in accordance with the assessment criteria and guidelines issued by CSDCI. This too is verified by random audits carried out by CSDCI.
- Evidences for assessments are to be collected and submitted to CSDCI for verification as per demand.
- Assessment agency is responsible to put details in SIP. CSDCI will also validate the data and result received from the assessment agency.

8. 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 CSDCI assessment team. After upload, only CSDCI can access this data.
- CSDCI approves the results within five days after which results are uploaded on SIDH by Assessment Agency.

9. On the Job:

- On job training (OJT), candidates undergo training and learning at actual workplace for a fixed period of time and a certain weightage of assessment is allocated out of total skill weightage of Qualification Pack for undergoing OJT as stipulated by CSDCI. This OJT score and assessors' end point score are combined to arrive at final Marking/grading of trainees' skill test. The OJT score is determined by Supervisor of company under which candidates undergo on job training.

Annexure: Acronym and Glossary

Acronym

Acronym	Description
MSDE	Ministry of Skill Development and Entrepreneurship
NCVET	National Council for Vocational Education and Training
NSDC	National Skill Development Corporation
SIDH	Skill India Digital Hub
CSDCI	Constriction Skill Development Council of India
AB	Awarding Body
SSC	Sector Skill Council
PMKVY	Pradhan Mantri Kaushal Vikas Yojana
DDU-GKY	Deen Dayal Upadhyaya Grameen Kaushalya Yojana
SANKALP	Skill Acquisition and Knowledge Awareness for Livelihood Promotion
STRIVE	Skills Strengthening for Industrial Value Enhancement
JSS	Jan Shikshan Sansthan
STT	Short Term Training
RPL	Recognition of Prior Learning
NAPS	National Apprenticeship Promotion Scheme
AA	Assessment Agency
TP	Training Provider / Training Partner
TC	Training Centre
ITI	Industrial Training Institute
NSQC	National Skill Qualification Committee
NSQF	National Skills Qualification Framework
Q-File	Qualification File
QP	Qualification Pack
MC	Model Curriculum
NOS	National Occupational Standards
PC	Performance Criteria
KU	Knowledge and Understanding

GS	Generic Skills
MCQ	Multiple Choice Question
EHS	Environment Health and Safety
PPE	Personal Protective Equipment
QA/QC	Quality Assurance / Quality Control
SCW	Shuttering Carpentry Work
SCC	Shuttering & Centering Carpentry
FCS	Formwork Carpentry Services
CFS	Concrete Formwork Specialist
FC	Formwork Carpentry
TCS	Timber & Concrete Shuttering
CFW	Concrete Formwork & Woodwork
SCF	Shuttering & Concrete Formwork

Glossary

Term	Description
National Occupational Standards (NOS)	NOS defines 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

Annexure: Career Progression

