



QUALIFICATION FILE

Rural Mason

☒ 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: 3.5

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	7
NOS/s of Qualifications	7
Mandatory NOS/s:	7
Elective NOS/s:	8
Elective 1: General	8
Elective 2: Bamboo Structure	10
Optional NOS/s:	11
Option 1: Compressed Stabilized Earth Block (CSEB)	11
Option 2: Random Rubble Masonry (RRB)	11
Assessment - Minimum Qualifying Percentage	12
Section 3: Training Related	13
Section 4: Assessment Related	15
Section 5: Evidence of the need for the Qualification	16
Section 6: Annexure & Supporting Documents Checklist	16
Annexure: Evidence of Level	17
Annexure: Tools and Equipment (Lab Set-Up)	27
Annexure: Industry Validations Summary	32
Annexure: Training & Employment Details	36
Annexure: Detailed Assessment Criteria	38
Annexure: Assessment Strategy	80
Annexure: Acronym and Glossary	83
Annexure: Career Progression	86

Section 1: Basic Details

1.	Qualification Name	Rural Mason	
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-03391-2024-V1.1-CSDCI, v 3.0)	Qualification Name of existing/previous version: Rural Mason
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-3.5-CO-03962-2025-V2-CSDCI & v 4.0	6. NCrF/NSQF Level: 3.5
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 Rural Mason performs routine rural construction works with either bricks/blocks or bamboo and performs work such as earth work for foundation, layout marking and construction of foundations, walls, installation of sanitary fittings and fixtures in rural toilets, IPS flooring, reinforcement and shuttering work, manual concreting work, fixing of door and window frames and shutters, treatment of bamboo, construction of simple buildings using bamboo, seismic and wind protection measures, construction using CSEB and random rubble masonry work.	

9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table border="1" data-bbox="968 269 1995 573"> <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>11th grade pass</td> <td></td> </tr> <tr> <td>2.</td> <td>10th grade pass</td> <td>1-year relevant experience</td> </tr> <tr> <td>3.</td> <td>8th grade pass</td> <td>3-year relevant experience</td> </tr> <tr> <td>4.</td> <td>Previous relevant Qualification of NSQF Level 3 (Assistant Mason)</td> <td>1.5-year relevant experience</td> </tr> </tbody> </table> b. Min. Job Entry Age: As per Govt. Norms						S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1.	11th grade pass		2.	10th grade pass	1-year relevant experience	3.	8th grade pass	3-year relevant experience	4.	Previous relevant Qualification of NSQF Level 3 (Assistant Mason)	1.5-year relevant experience		
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)																						
1.	11th grade pass																							
2.	10th grade pass	1-year relevant experience																						
3.	8th grade pass	3-year relevant experience																						
4.	Previous relevant Qualification of NSQF Level 3 (Assistant Mason)	1.5-year relevant experience																						
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	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" data-bbox="968 956 1986 1195"> <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>-</td> <td>270</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)					Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	150	-	270	-	420	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																			
Classroom (offline)	150	-	270	-	420																			
Online																								

		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>270</td><td>-</td><td>510</td><td>-</td><td>780</td></tr> <tr> <td>Online</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	270	-	510	-	780	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)															
Classroom (offline)	270	-	510	-	780															
Online																				
		(Refer Blended Learning Annexure for details)																		
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO-2015/7112.0200 NCO-2015/7114.9900 NCO-2015/7126.0101																		
15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	Brick Mason																		
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 Masonry - Rural 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 Masonry - Rural 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 Masonry - Rural job roles, through policies and practices that support work-life balance, equal pay and promotion opportunities, and a safe and respectful workplace.																		

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

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

QUALIFICATION FILE-<STT>

<NCVET- QG-3.5-CO-03962-2025-V2-CSDCI >

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.	Mark layout for foundation, walls, soak pit/septic tank and monitor earthwork activities for rural construction	CON/N3601 & V 4.0	Core	3.5	3	30	-	60	-	90	30	70	-	-	100	15
2.	Install sanitary fitting and fixtures in rural toilets	CON/N3608 & V 4.0	Core	3.5	3	25	-	65	-	90	30	70	-	-	100	15
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

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)
4.	Employability Skills (30 Hours)	DGT/VSQ/N01 01 & V 1.0	Non-Core	2.0	1	30	-	-	-	30	20	30	-	-	50	10
Duration (in Hours) / Total Marks					8	90	-	150	-	240	110	240	-	-	350	50

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: General

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.	Build brick / block masonry structures for rural construction	CON/N3602 & V 4.0	Core	3.5	1	10	-	20	-	30	30	70	-	-	100	10
2.	Carry out IPS flooring in rural construction	CON/N3604 & V 4.0	Core	3.5	1	10	-	20	-	30	30	70	-	-	100	10

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

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

QUALIFICATION FILE-<STT>

<NCVET- QG-3.5-CO-03962-2025-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)
3.	Carry out reinforcement steel works for R.C.C structures in rural construction	CON/N3605 & V 4.0	Core	3.5	2	20	-	40	-	60	30	70	-	-	100	10
4.	Carry out shuttering works in rural construction	CON/N3606 & V 4.0	Core	3.5	1	10	-	20	-	30	30	70	-	-	100	10
5.	Carry out manual concreting in rural construction	CON/N3607 & V 4.0	Core	3.5	1	10	-	20	-	30	30	70	-	-	100	10
Duration (in Hours) / Total Marks					6	60	-	120	-	180	150	350		-	500	50

Elective 2: Bamboo Structure

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.	Select, harvest and prepare the bamboo for the construction works	CON/N3621 & V 3.0	Core	3.5	1	10	-	20	-	30	30	70	-	-	100	10
2.	Select, stack and perform visual quality checks on bamboo used for construction purpose	CON/N3622 & V 3.0	Core	3.5	1	10	-	20	-	30	30	70	-	-	100	10
3.	Cut, shape, drill and join treated bamboo for making of mat, posts, joints, ties, beams and bracing used for building construction	CON/N3623 & V 3.0	Core	3.5	2	20	-	40	-	60	30	70	-	-	100	10
4.	Construct simple rural buildings with treated bamboo	CON/N3624 & V 3.0	Core	3.5	1	10	-	20	-	30	30	70	-	-	100	10
5.	Follow seismic and wind safety protection measures for bamboo buildings	CON/N3625 & V 3.0	Core	3.5	1	10	-	20	-	30	30	70	-	-	100	10
Duration (in Hours) / Total Marks					6	60	-	120	-	180	150	350	-	-	500	50

Optional 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

Option 1: Compressed Stabilized Earth Block (CSEB)

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.	Construct buildings using Compressed Stabilized Earth Block (CSEB)	CON/N3626 & V 3.0	Core	3.5	3	30	-	60	-	90	30	70	-	-	100	10
Duration (in Hours) / Total Marks					3	30	-	60	-	90	30	70	-	-	100	10

Option 2: Random Rubble Masonry (RRB)

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.	Build structures using random rubble masonry for rural construction	CON/N3603 & V 4.0	Core	3.5	3	30	-	60	-	90	30	70	-	-	100	10
Duration (in Hours) / Total Marks					3	30	-	60	-	90	30	70	-	-	100	10

Assessment - Minimum Qualifying Percentage

Please specify **any one** of the following:

Minimum Pass Percentage – Aggregate at qualification level: 70% (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.)

NSQC Approved

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 Engineering	2	Site Execution (Civil Work)	1	Masonry, Bar bending and steel Fixing, Shuttering Work etc.
		OR					
		Diploma	Civil Engineering	3	Site Execution (Civil Work)	1	Masonry, Bar bending and steel Fixing, Shuttering Work etc.
		OR					
		ITI	Relevant Trade	6	Site Execution (Civil Work)	1	Masonry, Bar bending and steel Fixing, Shuttering Work etc.
		OR					
		Graduation	in any Stream	6	Site Execution (Civil Work)	1	Masonry, Bar bending and steel Fixing, Shuttering Work etc.
		OR					
		Ex-Army Graduate	in any Stream	6	Site Execution (Civil Work)	1	Masonry, Bar bending and steel Fixing, Shuttering Work etc.

2.	Master 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 Engineering	6	Site Execution (Civil Work)	1	Masonry, Bar bending and steel Fixing, Shuttering Work etc.
		OR					
		Diploma	Civil Engineering	8	Site Execution (Civil Work)	1	Masonry, Bar bending and steel Fixing, Shuttering Work etc.
		OR					
		ITI	Relevant Trade	10	Site Execution (Civil Work)	1	Masonry, Bar bending and steel Fixing, Shuttering Work etc.
		OR					
		Existing TOT certified Trainer in Skill Qualification	Rural Mason	2	Site Execution (Civil Work)	5	Masonry, Bar bending and steel Fixing, Shuttering Work etc.
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><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 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 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 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><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)	Minimum Educational Qualification	Specialization	Relevant Industry Experience	
				Years	Specialization
		B.E. / B.Tech	Civil 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: 1,30,000 and 1,30,000
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 marking layout for foundation, walls, soak pit/septic tank and monitor earthwork activities for rural construction • Process of installing sanitary fitting and fixtures in rural toilets • Process of building brick / block masonry structures for rural construction • Process of carrying out IPS flooring in rural construction • Process of carrying out reinforcement steel works for R.C.C structures in rural construction • Process of carrying out shuttering works in rural construction	As detailed, the entire process followed by an Rural Mason is to mark layout for foundation, walls, soak pit/septic tank and monitor earthwork activities for rural construction; install sanitary fitting and fixtures in rural toilets; build brick / block masonry structures for rural construction; carry out IPS flooring in rural construction; carry out reinforcement steel works for R.C.C structures in rural construction; carry out shuttering works in rural construction; carry out manual concreting in rural construction; select, harvest and prepare the bamboo for the construction works; Select, stack and perform visual quality checks on bamboo used for construction purpose; cut, shape, drill and join treated bamboo for making of mat, posts, joints, ties, beams and bracing used for building construction; construct simple rural buildings with	3.5

	● Process of carrying out manual concreting in rural construction ● Process of selecting, harvesting and preparing the bamboo for the construction works ● Process of selecting, stacking and performing visual quality checks on bamboo used for construction purpose ● Process of cutting, shaping, drilling and joining treated bamboo for making of mat, posts, joints, ties, beams and bracing used for building construction ● Process of constructing simple rural buildings with treated bamboo ● Process of following seismic and wind safety protection measures for bamboo buildings ● Process of constructing buildings using Compressed Stabilized Earth Block (CSEB) ● Process of build structures using random rubble masonry for rural construction	treated bamboo; follow seismic and wind safety protection measures for bamboo buildings; construct buildings using Compressed Stabilized Earth Block (CSEB); building structures using random rubble masonry for rural construction. As the work is routine and is repeated multiple times, the work becomes predictable. As the Rural Masons 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.	
Professional and Technical Skills/ Expertise/ Professional Knowledge	● Know the standard practices for layout and earthwork ● Know how to use basic tools in the masonry trade such as: Spirit level, water level, plumb bob, line thread ● Know the layout sketches for foundation and soak pit/septic tank ● Know the types of foundation, importance and purpose of foundation, knowledge about depth and plinth height	The knowledge required for an Rural Mason is factual, as it is specific and limited to the knowledge of The standard practices for layout and earthwork, including the use of basic tools in the masonry trade such as a spirit level, water level, plumb bob, and line thread; the layout sketches for foundation and soak pit/septic tank; the types of foundation, their importance, purpose, depth, and plinth height; the importance and purpose of soak pit/septic tank, their suitable location and depth; the different types of materials (CI/GI/PVC	3.5

	• Understand the importance and purpose of soak pit / septic tank, knowledge about their suitable location and depth • Know the different types of materials (CI/GI/PVC pipes, etc.), basic sanitary fittings (taps, valves, clamps, elbows, etc.) and fixtures (toilet pans, traps, etc.) • Know the techniques related to cutting, bending and joining of fittings and fixtures. • Know basic plumbing terminology and standard practices for plumbing work • Know standard practices for masonry work • Know cement grade and mix proportion and its importance • Know various techniques / procedures for cutting/chiseling/dressing different types of bricks to closure • Know laying and fixing of brick, block for wall, foundation, column, soak pit/ septic tank • Know the standard practices for IPS flooring works • Know the standard practices for reinforcement work • Know how to read basic drawing/sketches for bar bending and fixing works • Know the sequence for tying of reinforcement for in-situ, pre fabrication works	pipes, etc.), basic sanitary fittings (taps, valves, clamps, elbows, etc.), and fixtures (toilet pans, traps, etc.); the techniques related to cutting, bending, and joining of fittings and fixtures; basic plumbing terminology and standard practices for plumbing work; standard practices for masonry work; cement grade and mix proportion and its importance; various techniques/procedures for cutting/chiseling/dressing different types of bricks to closure; laying and fixing of brick, block for wall, foundation, column, soak pit/septic tank; standard practices for IPS flooring works; standard practices for reinforcement work; how to read basic drawing/sketches for bar bending and fixing works; the sequence for tying of reinforcement for in-situ, pre-fabrication works; the standard procedure for shuttering works; different types of shuttering material such as timber, plywood, wooden batten, GI sheets, and other material; how to erect and dismantle staging; the various species of bamboo used for construction works; the various methods of bamboo treatment; the different steps to construction of a bamboo joint; the process of erection of superstructure; the procedure for laying CSEB in English and stretcher bond; the process of pointing and curing in CSEB masonry; the standard practices for random rubble masonry work; the various techniques/procedures to work with undressed and hammer dressed stones used for un-course and course random rubble masonry.	
--	--	--	--

	• Know the standard procedure for shuttering works • Know different type of shuttering material such as timber, plywood, wooden batten, GI sheets and other material • Know how to erect and dismantle staging • Know the various species of bamboo used for construction works • Know the various methods of bamboo treatment • Understand the the different steps to construction of a bamboo joint • Know the process of erection of superstructure • Know the procedure for laying CSEB in English and stretcher bond • Know the process of pointing and curing in CSEB masonry • Know the standard practices for random rubble masonry work • Know the various techniques / procedures to work with undressed and hammer dressed stones used for un-course and course random rubble masonry	Therefore, their knowledge is applicable to their field of work only.	
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	• read and interpret the sketches for foundation works, soak pits/septic tank • select required tools for the task and ensure they are in working condition	As indicated the skill set is required to read and interpret the sketches for foundation works, soak pits/septic tank; select required tools for the task and ensure they are in working condition; check and ensure that excavation is carried out to the desired	3.5

	• check and ensure that excavation is carried out to the desired depth • select sanitary fixtures and carry out checks to ensure workability • install pipe assemblies, fittings, and fixtures • check the overall system for proper functioning prior to commissioning • estimate the quantity of raw material required such as brick/block, cement and fine aggregate required • ensure proper curing of constructed masonry structure • check that concrete is mixed in appropriate proportion • select re-bars for placement as per the drawing/sketches • check quality of reinforcement work with reference to spacing, placement, straightness of bar, rigidity of ties etc. • erect scaffold sequentially as per requirement • check for stability, rigidity and necessary support to scaffold • dismantle scaffold sequentially and stack material properly • check for misalignment in formwork/ reinforcement • select the appropriate bamboo for the construction work based on physical description	depth; select sanitary fixtures and carry out checks to ensure workability; install pipe assemblies, fittings, and fixtures; check the overall system for proper functioning prior to commissioning; estimate the quantity of raw material required such as brick/block, cement and fine aggregate required; ensure proper curing of constructed masonry structure; check that concrete is mixed in appropriate proportion; select re-bars for placement as per the drawing/sketches; check quality of reinforcement work with reference to spacing, placement, straightness of bar, rigidity of ties, etc.; erect scaffold sequentially as per requirement; check for stability, rigidity and necessary support to scaffold; dismantle scaffold sequentially and stack material properly; check for misalignment in formwork/reinforcement; select the appropriate bamboo for the construction work based on physical description; check and confirm straightness of bamboo members; carry out erection of simple bamboo mat walls; select and prepare/procure appropriate tools for testing of soil; select appropriate soil and sand for preparation of stabilized sand-mud mortar; estimate the quantity of CSEB and mortar material required for English and stretcher bond- full blocks, half and 3/4th blocks; check for workability and proportion of cement/lime/ mud mortar; check horizontal and vertical alignment using appropriate tools.	
--	---	--	--

	• check and confirm straightness of bamboo members • carry out erection of simple bamboo mat walls • select and prepare/procure appropriate tools for testing of soil • select appropriate soil and sand for preparation of stabilized sand-mud mortar • estimate the quantity of CSEB and mortar material required for English and stretcher bond- full blocks, half and 3/4th blocks • check for workability and proportion of cement/lime/ mud mortar • check horizontal and vertical alignment using appropriate tools		
Broad Learning Outcomes/Core Skill	• Carry out marking layout for foundation, walls, soak pit/septic tank • Monitor earthwork activities for rural construction • Carry out installation sanitary fittings and fixtures in rural toilets • Build various masonry structures using brick / block and fix ready- to-install doors, windows and ventilators • Carry out reinforcement steel works for footing, column, beam and slab in rural construction	The job holder is expected to mark layout for foundation, walls, soak pit/septic tank; monitoring earthwork activities for rural construction; installing sanitary fittings and fixtures in rural toilets; building various masonry structures using brick/block and fixing ready-to-install doors, windows, and ventilators; carrying out reinforcement steel works for footing, column, beam, and slab in rural construction; carrying out shuttering works for footing, column, beam, and slab in rural construction; manually concreting in rural construction; selecting, harvesting, and treating bamboo used for construction works; selecting, stacking, and performing visual quality checks of bamboo for use in construction; cutting, shaping, drilling, and jointing treated bamboo members for making mats, posts, joints, ties, beams, and bracing	3.5

	• Carry out shuttering works for footing, column, beam and slab in rural construction • Carry out manual concreting in rural construction • Carry out selection, harvesting and treatment of bamboo used for construction works • Carry out selection, stacking and performing visual quality checks of bamboo for use in construction. • Carry out cutting, shaping drilling and jointing of treated bamboo members for making of mat, posts, joints, ties, beams and bracing used for building construction • Carry out construction of simple rural buildings with treated bamboo • Following the seismic and wind safety protection measures for bamboo buildings • Carry out construction of building using Compressed Stabilized Earth Block (CSEB) • Carry out building structures using random rubble in rural construction	used for building construction; constructing simple rural buildings with treated bamboo; following seismic and wind safety protection measures for bamboo buildings; constructing buildings using Compressed Stabilized Earth Blocks (CSEB); building structures using random rubble in rural construction.	
Responsibility	The individual in this job role will be responsible for the below-mentioned activities: • Carry out preparatory work for layout marking	A Rural Mason performs routine rural construction works with either bricks/blocks or bamboo and performs work such as earth work for foundation, layout marking and construction of foundations, walls, installation of sanitary fittings and fixtures in rural toilets, IPS flooring, reinforcement and shuttering work, manual concreting work, fixing of door and	3.5

	● Mark the layout for walls & foundations/ footings, soak pit/ septic tank. Monitor excavation & preparation of base layer ● Monitor backfilling activities ● Carry out preparatory activities for installation of sanitary fittings and fixtures for rural toilets ● Carry out installation of sanitary fitting and fixtures for rural toilets ● Check gradient and perform test for leakage before commissioning of rural toilet ● Carry out preparatory activities for brick/block masonry work ● Check material used for brickwork / block work ● Lay brick / block for construction of load bearing / non-load bearing wall, columns, footings and soak pits / septic tanks ● Carry out pointing in brick masonry ● Fix ready-to-install doors, windows and ventilators. ● Carry out preparatory work prior to IPS flooring ● Carry out IPS flooring ● Read and understand sketches relevant to R.C.C footing, column, beam and slab ● Use hand tools for cutting and bending of reinforcement steel bars ● Fabricate, place and fix reinforcement steel for R.C.C footing, column, beam and slab ● Use hand tools for making wooden shutter board	window frames and shutters, treatment of bamboo, construction of simple buildings using bamboo, seismic and wind protection measures, construction using CSEB and random rubble masonry work.	
--	---	---	--

	• Carry out shuttering works in rural construction for R.C.C footing, column, beam and slab • Carry out scaffolding works using bamboo/ballies or pipes and coupler for supporting rural construction activities • Carry out preparatory work before pouring of manual concrete • Carry out pouring and compaction of concrete • Finish and cure concrete • Carry out selection and harvesting of bamboo • Perform treatment of bamboo • Carry out selection, stacking and performing visual quality checks of treated bamboo for use in construction • Carry out cutting, shaping drilling and jointing of treated bamboo members for making of mat, posts, joints, ties, beams and bracing used for building construction • Carry out preparatory works for construction of simple rural building. • Carry out erection of superstructure with bamboo components. • Carry out erection of roofing truss, purlins, ties, bracings etc. • Fix roof cladding , CGI or bamboo sheets • Carry out the seismic and wind safety protection measures in bamboo buildings • Carry out preparatory activities for masonry work		
--	--	--	--

	• Carry out visual checks on CSEB and test soil types to prepare stabilized sand-mud mortar for carrying out masonry, pointing and plastering work • Lay CSEB for construction of load bearing / non-load bearing wall, columns. • Carry out fixing of door and window frames in CSEB masonry wall of different block sizes • Carry out pointing in CSEB masonry of different block sizes • Carry out preparatory work for rubble masonry • Lay out coursed and un-coursed Random Rubble Masonry with undressed or hammer dressed stones • Carry out flush /raised pointing in stone masonry		
--	--	--	--

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	Measuring Tape-3m	Number	30
2	Measuring Tape-5m	Number	30
3	Measuring Tape-50m	Number	6
4	Steel or Wooden Scale (1ft)	Number	30
5	Steel or Wooden Scale (3ft)	Number	30
6	Steel Trowels	Number	30
7	Shovels	Number	10
8	Spade (Phawda)	Number	15
9	Chalk/Powder for Marking	Kgs	6
10	Wheelbarrows	Number	6
11	Plumb Bob	Number	30
12	Line String (Line Dori)	Number	30
13	Try Square	Number	30
14	Spirit Level (1ft)	Number	15
15	Spirit Level (3ft)	Number	15
16	Rammers (Hand Held)	Number	3

17	Floats Wooden/Metal	Number	30
18	Brushes	Number	30
19	Screed Boards/Straightedge	Number	15
20	Hand Held Concrete Mixer	Number	1
21	Mortar Boards and Stands	Number	6
22	Mason's Square	Number	10
23	Volume Box	Number	3
24	Hammer	Number	15
25	Brick Chisel	Number	15
26	Stone Chisel	Number	6
27	Bolster Chisel	Number	6
28	Mortar Pan (Ghamela)	Number	6
29	Pointer Trowel	Number	6
30	Tuck Pointing Trowel	Number	6
31	Line and Pins	Number	60
32	Jointers	Number	2
33	Lifting , Appliances (Wheel And Rope, Shackles, Sling, Belts)	Number	2
34	Mixing Plat Form (3'x5')	Number	2

35	Tamping Rod	Number	6
36	Vibrators	Number	1
37	Hand Saw	Number	10
38	Hack Saw	Number	10
39	Rail Piece	Number	5
40	Pointed Chisel	Number	10
41	Sledge Hammer	Number	5
42	Bending Lever	Number	5
43	Pin Plate	Number	3
44	Working Bench	Number	6
45	Binding Hook	Number	6
46	M.S, TOR, TMT Steel	Number	6
47	Binding Wires	Kgs	5
48	Steel Cutting Blade	Number	5
49	Mechanical Coupler	Number	10
50	Cover Blocks	Number	60
51	Wooden Planks	Number	20
52	Safety Helmets	Number	30
53	Safety Goggles	Number	30

54	Safety Shoes	Number	30
55	Face Shield	Number	15
56	Jack Hammer	Number	1
57	Nailing Hammer	Number	6
58	Hand Drill	Number	6
59	Water Level Tube	Number	15
60	Marking Chalk/Pencil	Number	30
61	Wrenches	Number	10
62	Plier	Number	15
63	Screwdriver	Number	15
64	Pipe Cutter	Number	10
65	Pipe Bender	Number	10
66	Threading Tool	Number	10
67	Metal File	Number	10
68	Caulking Tools	Number	10
69	Cutting, Threading and Joining Equipment	Set	1
70	Coarse aggregates	Cu.ft	500
71	Sand	Cu.ft	500
72	Cement	Bags	10

73	Fire Extinguisher	Number	2
74	Dust mask / Nose Mask	Number	30
75	Bamboo Stick for construction work	Pieces	60
76	Bamboo Cutter Saw	Number	30
77	Safety Notice Board / Safety Message board	Number	5
78	Safety tags	Number	5
79	First aid box	Number	2
80	Sand Buckets	Number	5
81	Dust mask / Nose Mask	Number	30
82	Safety belt/Harness	Number	30

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@lntecc.com	
2	National Academy of Construction	M Indra Kiran	Director	Near SS Convention Center, Labbipet, Vijayawada, Andhra Pradesh, PIN: 520010	984947 0249	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	8240040261	planning@kamac.in	

				Tower), Siliguri, West Bengal 734001			
6	One Naga Construction Private Limited	Tunito Alex Zhimomi	CEO	DR.N. Theuno; Bayavu; Near N.B.S Office Area; Kohima; Kohima; Nagaland; 797001; India	7005715093	alexzim881@g mail.com	
7	OP Jindal Community College	Om Prakash Verma	Principal	O P Jindal Industrial Park, Tumidih, Chhattisgarh 496107		omprakash.ve rma@opjccrai garh.edu.in	
8	Poddar Infratech Pvt Ltd	Ms. Neha Devgan	Contracts Manager	202, Crowne Heights, Sector 10 , Rohini , New Delhi	8449521881	letters@podd arinfra.com	
9	Solidstone Constructions	Pragadeesh waran R J	Principal Designer & Chief Execution (Civil)	7/2 Perumal Nagar, No4 Veerapandi, CBE – 19	7904788630	solidstone.pro jects@gmail.c om	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	9811376288	starprojectsse rvices@gmail. com	

11	Uralungal Labour Contract Co-operative Society	Prem Anand C	Deputy Manager, Learning & Development	Madappally College, Vadakara, 673102 Kozhikode - 673102. Kerala, India	8921763984	prem.anand@ulccs.com	
12	Route To Connect	Hrisikesh Kashyap	Founder	Bagharbari, Guwahati, Assam	8720905111	hrisi@rtsseven.in	
13	AK Consulting	Nirman Jain	Technical Head	6th Cross Rd, 1st Stage, Kadugondanahalli, Bengaluru, Karnataka 560045	7042447336	nirmanjain777@gmail.com	
14	Artificial Intelligence Technologies Ltd	Rohit Kumar Sharma	Sr. Developer	A-21 Kailash Colony, New Delhi – 110048	9927564461	rohit.sharma@aituniversal.com	
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.sandy k@gmail.com	
20	Know How Schools	Dipesh Bafna	Partner	Know How Schools LLP, C 601, Royal Casa, Ravet, Pune, 412101	9405266123	learn@knowh owschools.co m	
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@Inte cc.com	
22	LK Engicons	Sameer	Owner	114, Bhawanpur, Meerut, UP, 250001	9808170639	sales@lkengic ons.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@m anpower.co.in	
24	Senryaku Management Private Limited	Udit Kumar	Consultant	UTC031, DLF The Ultima, Sector 81, Gurugram, HR 122004	9690909024	udit.kau@gma il.com	

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

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

QUALIFICATION FILE-<STT>

<NCVET- QG-3.5-CO-03962-2025-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	

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	35,000	35,000	7,000	7,000	Subject to the requirement of the Industry	Subject to the requirement of the Industry
2026-27	40,000	40,000	8,000	8,000	Subject to the requirement of the Industry	Subject to the requirement of the Industry
2027-28	55,000	55,000	11,000	11,000	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	37347	2444	2294	2294	NA	NA	NA	NA	NA	NA	NA	NA
v2.0	2023-24	72379	79134	72879	72879	NA	NA	NA	NA	NA	NA	NA	NA
v2.0	2024-25	18012	26839	24866	24866	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. DDUGKY
3. NULM
4. PMAY-G
5. PMKVY 3.0
6. Sankalp SP
7. Special Training Program - RPL
8. UKSDM
9. UPSDM

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: 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
Mark layout for foundation, walls, soak pit/septic tank and monitor earthwork activities for rural construction	<i>Carry out preparatory work for layout marking</i>	5	15		
	PC1. read and interpret the sketches for foundation works, soak pits/septic tank				
	PC2. select required tools for the task and ensure they are in working condition				
	PC3. select appropriate Personal Protective Equipment (P.P.E.s) for the task				
	PC4. ensure work place is clear for marking the layout				
	PC5. set out the layouts as per sketches/drawings				
	PC6. identify and transfer required levels using water level tube				
	<i>Mark the layout for walls & foundations/</i>	5	15		

	<i>footings, soak pit/ septic tank</i>				
	PC7. mark the center lines of the rooms by setting perpendiculars using 3-4-5 method and check right angle (90) at corners				
	PC8. set out 90 corners using builders square or 3-4-5 method and check right angle				
	PC9. Check the diagonals if they are equal				
	PC10. extend the center lines and marks the center points about 2m away from the outer edge of excavation				
	PC11. mark the width of excavation from the plan				
	PC12. mark the center line of the septic tank by setting perpendiculars using 3-4-5 method and check right angle (90) at corners as per applicability				
	PC13. mark the periphery of soak pits /septic tanks for excavation by identifying the center point				
	<i>Monitor excavation & preparation of base layer</i>				
	PC14. check and ensure that excavation is carried out to the desired depth using	10	20		

	appropriate tools				
	PC15. check and ensure desired slope of earth is maintained during digging activity				
	PC16. provide necessary support to vertical side of excavated area to avoid soil collapse as per applicability				
	PC17. ensure earth is disposed from the excavated pit by using suitable tools and equipment such as spade, wheel barrows, pans etc				
	PC18. check for loose material, soil lumps, pebbles on achieving the desired earth level				
	PC19. ensure surface dressing work is carried out by disposing loose material, gravels, plant roots, sludge, muck or debris as per requirement to the appropriate locations				
	PC20. ensure compaction of base by ramming				
	<i>Monitor backfilling activities</i>	10	20		
	PC21. check and remove gravels, oversized aggregates, organic matter from soil prior to be use in backfilling as per site conditions				

	PC22. ensure earth is placed and spread maintaining uniform layers within tolerance limit of thickness				
	PC23. ensure water is sprinkled uniformly over the layer to be compacted as and when required as per site conditions				
	PC24. check and ensure ramming over the soil layer as per site conditions				
	PC25. Check and ensure re-filling and compaction of excavated trenches, pits surrounding the structures or at necessary location as per soil site conditions				
NOS Total		30	70		
NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Install sanitary fitting and fixtures in rural toilets	<i>Carry out preparatory activities for installation of sanitary fittings and fixtures for rural toilets</i>	10	20		
	PC1. read and understand sketches of sanitary fittings and fixtures and their connection to soak pit/septic tank				
	PC2. select sanitary fixtures and carry out checks to ensure workability as per requirement				

	PC3. check toilet enclosure, bathing space, soak pits/septic tank are built as per drawings/sketches and necessary gradients				
	PC4. place and fix pre-cast concrete rings for soak pits as per applicability				
	PC5. locate and mark the position of pipe installations, connections, passage holes, and fixtures in structures, using measuring instruments such as rulers and levels				
	PC6. establish the sequence of pipe installations				
	PC7. assemble pipe sections, tubing and fittings, using couplings, clamps, screws, bolts, caulking tools, or cutting, threading and joining equipment				
	<i>Carry out installation of sanitary fitting and fixtures for rural toilets</i>	10	25		
	PC8. cut openings in structures to accommodate pipes and pipe fittings, using hand tools				
	PC9. install pipe assemblies, fittings, and fixtures such as toilet pan using hand tools				
	PC10. maintaining necessary gradient for toilet floor				

	PC11. connect toilet with soak pit/septic tank and inspection chamber maintaining necessary gradient as per specification				
	<i>Check gradient and perform test for leakage before commissioning of rural toilet</i>				
	PC12. test the joints and fixtures for proper functioning	10	25		
	PC13. check the overall system for proper functioning prior to commissioning by carrying out trial run				
	PC14. clear the work area after completion of work				
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>				
	PC1. identify and report any hazards, risks or breaches in site safety to the appropriate authority	5	15		
	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				
	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>	15	35		
	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>	5	15		
	PC13. collect, segregate and deposit construction waste into appropriate containers based on their toxicity or hazardous nature				
	PC14. apply ergonomic principles wherever required				
	<i>Follow infection control guidelines as per applicability</i>	5	5		
	PC15. follow recommended personal hygiene, workplace hygiene and sanitization practices				
	PC16. clean and disinfect all materials, tools and supplies before and after use				

	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>				
	PC1. understand the significance of employability skills in meeting the job requirements	1	1		
	<i>Constitutional values – Citizenship</i>				
	PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	1	1		
	<i>Becoming a Professional in the 21st Century</i>				
	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.	1	3		

	<i>Basic English Skills</i>				
	PC4. speak with others using some basic English phrases or sentences	2	3		
	<i>Communication Skills</i>				
	PC5. follow good manners while communicating with others	1	1		
	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				
	PC10. calculate income, expenses, savings etc.	3	4		
	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>				
	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>				
	PC16. identify different types of customers				
	PC17. identify customer needs and address them appropriately	2	2		
	PC18. follow appropriate hygiene and grooming standards				
	<i>Getting ready for apprenticeship & Jobs</i>				
	PC19. create a basic biodata	1	3		
	PC20. search for suitable jobs and apply				

	PC21. identify and register apprenticeship opportunities as per requirement				
NOS Total		20	30		
NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Build brick / block masonry structures for rural construction	<i>Carry out preparatory activities for brick/block masonry work</i>				
	PC1. read and interpret the basic working drawings / sketches before the commencement of brick / block work				
	PC2. select appropriate Personal Protective Equipment (P.P.E.s) for the task				
	PC3. set out the layouts as per sketches/drawings, select appropriate Personal Protective Equipment (P.P.E.s) for the task	5	10		
	PC4. identify and transfer required levels using appropriate tools				
	PC5. estimate the quantity of raw material required such as brick/block, cement and fine aggregate required				
	<i>Check material used for brickwork/block work</i>	5	10		

	PC6. visual check for quality of bricks / blocks prior to use	10	15		
	PC7. ensure fine aggregate is sieved as per requirement				
	PC8. ensure proper stacking of bricks / blocks of required numbers as per requirement at the work place				
	<i>Lay brick / block for construction of load bearing / non-load bearing wall, columns, footings and soak pits/ septic tanks</i>				
	PC9. check and ensure the base surface is free of dust, dirt & debris prior to commencement of work				
	PC10. ensure removal of all loose concrete laitance and roughening of the surface prior to laying of brick/block				
	PC11. ensure soaking of brick/block and pre wetting of base surface prior to commencement of work				
	PC12. select appropriate tools and equipment as per the tasks ensuring they are in working condition such as: different types of trowels (of the right blade size) masons hammer blocking chisel mashing hammer jointers				
	PC13. break bricks to required shape				

	and size using appropriate tools following appropriate safety measures				
	PC14. lay and fix bricks / blocks for columns, walls, soak pits /septic tanks				
	PC15. check vertical and horizontal alignment using appropriate tools				
	PC16. maintain line and level of each course of brickwork using wooden / aluminum straight edge sections				
	PC17. set out 90 corners using builders square or 3-4-5 method and check right angle if required				
	PC18. ensure proper curing of constructed masonry structure				
	<i>Carry out pointing in brick masonry</i>				
	PC19. perform raking of joints as specified prior to drying of bonding mortar				
	PC20. ensure that joints are cleaned and surface is wet prior to pointing				
	PC21. ensure lime/cement mortar for pointing is prepared as per specification				
	PC22. fill joints with appropriate mortar to obtain specified type of pointing				
	PC23. carry out flush/recessed pointing				
		5	20		

	using appropriate tools and technique				
	PC24. ensure proper curing of pointing				
	<i>Fix ready-toinstall doors, windows and ventilators</i>				
	PC25. mark, set out location of frames of doors, windows and ventilators				
	PC26. check and carry out proper alignment of the frame and hold in position with temporary support				
	PC27. check the holdfast position and grout it between bricks / blocks of wall				
	PC28. fill the gap between wall and door frame with non-shrink material/grout				
	PC29. fix wooden/metal panels for doors, windows and ventilators				
NOS Total		30	70		
NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out IPS flooring in rural construction	<i>Carry out preparatory work prior to IPS flooring</i>	15	35		
	PC1. inspect the work area prior to concreting, ensure leveling in case of any undulations observed on the surface				

	prior to concreting				
	PC2. select appropriate Personal Protective Equipment (P.P.E.s) for the task				
	PC3. ensure surface is prepared appropriately and address any deviation in slope and alignment in PCC				
	PC4. check the grade of cement prior to use in case of manual mixing				
	PC5. ensure fine aggregate is sieved as per grade requirement				
	PC6. mark reference level on the wall & transfer this marking to all floor locations using appropriate tools at regular intervals for ensuring required slope for proper drainage				
	PC7. check that concrete is mixed in appropriate proportion				
	PC8. visually assess the concrete mix for usability and workability				
	<i>Carry out IPS flooring</i>	15	35		
	PC9. fix the baton strip in cement mortar with their tops at appropriate level and according to slope				
	PC10. ensure panels are made as per specified size				

	PC11. pour concrete as per requirement up to approved floor level				
	PC12. level poured concrete to the specified levels maintaining required slope				
	PC13. remove excess cement slurry and any marks on the surface				
	PC14. level the concrete surface with a straight edge and to the required finish with a wooden float / trowel				
	PC15. cut groves on concrete at specified intervals for construction joints				
	PC16. spread cement punning over the IPS concrete for smooth finish surface and allow it to soak into the concrete, as per requirement				
	PC17. ensure curing of the finished floor surface for the specified time				
NOS Total		30	70	-	-

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out reinforcement steel works for R.C.C structures in rural construction	<i>Read sketches relevant to R.C.C footing, column, beam and slab</i>	10	20		
	PC1. read basic detail from the sketches / drawings				
	PC2. calculate cutting length of rebar from the sketches/drawing				
	PC3. calculate number of chairs, spacer bars requirement to be used				
	PC4. plan for cutting of re-bars as per requirement	10	25		
	<i>Use hand/power tools for cutting and bending of reinforcement steel bars</i>				
	PC5. select appropriate personal protective equipment (P.P.E.s) for the task				
	PC6. select hand tools/power tools for cutting re- bars as per requirement				
	PC7. mark cutting length on rebar and cut rebar using hand/power tools				
	PC8. select hand tools for bending rebars according to diameter of rebar to be bend				
	PC9. mark length on rebar and bend re-				

	bar as per the shape and dimensions given in the sketches including hooks				
	PC10. maintain correct body posture while cutting and bending rebars manually or mechanically				
	PC11. check for length, shape of rebars to ensure they are within the tolerance limit				
	PC12. stack re-bars after cutting and bending as per standards practices				
	<i>Fabricate place and fix reinforcement steel for R.C.C footing, column, beam and slab</i>	10	25		
	PC13. select appropriate personal protective equipment (P.P.E.s) for the task				
	PC14. select re-bars for placement as per the drawing/sketches				
	PC15. follow correct method for insertion/ fixing of rebars for footing, column, beam and slab, place and fix on its position				
	PC16. maintain uniform spacing between the bars, stirrups, link rod as per the drawing/sketches				
	PC17. stagger the lap to avoid more than				

	50% of splicing				
	PC18. tie reinforcement with binding wires as per drawing with specified spacing				
	PC19. ensure that location and position of reinforcement and fixing ties to reinforcement are checked for accuracy				
	PC20. place cover blocks and spacers are placed to maintain appropriate covers & spacing				
	PC21. place and fix chairs at specified spacing to maintain correct thickness				
	PC22. check quality of reinforcement work with reference to spacing, placement, straightness of bar, rigidity of ties etc.				
NOS Total		30	70	-	-
NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out shuttering works in rural construction	<i>Use hand tool for making wooden shutter board</i>	10	20		
	PC1. select appropriate personal protective equipment (P.P.E.s) for the task				
	PC2. check that all fixtures, consumables				

	and materials are available for shutter making				
	PC3. carry out visual check to ensure materials for making shutters such as timber, plywood etc. are of good quality				
	PC4. use measurement and marking tools for marking				
	PC5. select and use regular hand tools such as hand saw, chisel, jack hammer, nailing hammer, hand drill and other tools efficiently				
	PC6. make wooden shutter panels using different types of joints such as dovetail, tenon & mortise, lap joints as per requirement				
	<i>Carry out shuttering works in rural construction for R.C.C footing, column, beam and slab</i>				
	PC7. clean the shutter panels before using for shuttering work	10	25		
	PC8. apply release agents to sheathing material				
	PC9. check and ensure all tools, material, components are available as per requirements				

	PC10. check that fixing and fasteners are available as per requirement				
	PC11. position and provide necessary support for footing, column, beam and slab shuttering				
	PC12. plug all openings and gaps using appropriate materials				
	PC13. ensure water tightness of form by providing form sheet or necessary packing material				
	PC14. position and fix props properly and check for plumb, position and spacing				
	PC15. ensure tightness of tie rods, supports, and bracings				
	PC16. check erected formwork for line, level, alignment and plumb within tolerance limit				
	PC17. check the dimensional accuracy and right angle and take necessary corrective measures if required				
	PC18. ensure the RCC structure has gained sufficient strength before dismantling				
	PC19. dismantle formwork shutters sequentially as per standard practices				
	PC20. ensure that all the small				

	components are stacked properly for further use				
	PC21. repair formwork material if required and ensure cleaning and proper stacking after dismantling				
	<i>Carry out scaffolding works using bamboo/ ballies or pipes and coupler for supporting rural construction activities</i>				
	PC22. level area where scaffold need to be erected and check for ground compactness if required				
	PC23. select appropriate material for scaffolding as per requirement				
	PC24. erect scaffold sequentially as per requirement using locally available material (bamboo/ballies or pipes and coupler)				
	PC25. check for stability, rigidity and necessary support to scaffold				
	PC26. fix walk boards, guard rails and other components on working platform				
	PC27. dismantle scaffold sequentially and stack material properly after removing for further use				
		10	25		
	NOS Total	30	70		

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out manual concreting in rural construction	<i>Carry out preparatory work before pouring of manual concrete</i>	10	20		
	PC1. ensure surface is prepared appropriately and address any deviation in slope / alignment or undulations in surface prior to concreting				
	PC2. ensure rectification of any gaps in formwork to avoid leakage				
	PC3. check for misalignment in formwork/reinforcement and ensure proper cover for reinforcement is provided				
	PC4. use potable water for concrete preparation				
	PC5. visually check the grade of cement and manufactures date prior to use				
	PC6. visually check quality of aggregate and ensure it is free from organic impurities				
	PC7. check and ensure concrete is mixed as per specification				
	PC8. visually assess the concrete mix for usability and workability				

	<i>Carry out pouring and compaction of concrete</i>				
	PC9. ensure standard pouring height for concrete is maintained throughout pouring				
	PC10. ensure pouring of concrete takes place in specified layers	10	25		
	PC11. pour concrete to maintain specified levels & cover for steel reinforcement				
	PC12. use tamping rod/hand concrete vibrator for compaction of concrete				
	<i>Finish and cure concrete</i>				
	PC13. spread the concrete as per requirements using appropriate tools and technique				
	PC14. push excess concrete towards the formwork for easy removal				
	PC15. level the edges and corners as per requirement using appropriate tools for semi- finished concrete	10	25		
	PC16. smoothen the surface using appropriate tools, to ensure a consistent and durable final finish				
	PC17. apply a final finish on the surface as per requirements				

	PC18. ensure cleaning and removal of spilled concrete is carried out after work				
	PC19. ensure proper curing of concrete by marking and monitoring of the curing time				
NOS Total		30	70	-	-
NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Select, harvest and prepare the bamboo for the construction works	<i>Carry out selection and harvesting of bamboo</i>	15	35		
	PC1. identify different types and species of bamboo				
	PC2. select the appropriate bamboo for the construction work based on physical description, length, diameters, gaps between rings (nodes), and wall thickness (not less than 12mm) of the bamboo.				
	PC3. ensure wall thickness of bamboo selected is not less than 12mm				
	PC4. identify recommended culm and clump for harvesting bamboo using 'horse foot technique				
	PC5. use jigs and tools for harvesting bamboo without damaging upcoming tender shoots				

	<i>Perform treatment of bamboo</i>	15	35		
	PC6. perform preparatory activity prior to the treatment of bamboo such as cleaning of culms				
	PC7. set up the “Bamboo treatment plant” for in- situ treatment of bamboo as per applicability				
	PC8. carry out different methods for the treatment of bamboo such as soaking methods, injecting method, boiling method and/ or pressure treatment				
	PC9. prepare chemical-water solution in specified ratio for the treatment of the bamboo				
	PC10. check and prepare the pressure gauge for pressure treatment of the bamboo				
	PC11. attach the bamboo to the machine/ pump of the treatment plant as per the specifications				
	PC12. perform the treatment of the bamboo as per recommended pressure and procedures				
	PC13. carry out grading and storing of treated culm/ bamboo as per the specification				

NOS Total		30	70		
NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Select, stack and perform visual quality checks on bamboo used for construction purpose	<i>Carry out selection, stacking and performing visual quality checks of treated bamboo for use in construction</i>	30	70		
	PC1. perform visual checks and confirm that bamboo is of recommended species and of required age				
	PC2. select bamboo for use in different parts of a structure				
	PC3. check and confirm straightness of bamboo members				
	PC4. check for maximum to minimum diameter of the members, wall thickness of bamboo, internode distance, internode distance to diameter ratio				
	PC5. perform visual checks f and confirm that the treatment process is acceptable as per the instruction manual				
	PC6. ensure sorting, stacking and storage of treated bamboos members as per their use				
	PC7. carry out visual quality checks for shrinkage post component production				

	PC8. carry out visual quality checks on available types of bamboo/bamboo based mats to ensure they are in accordance with standards quality requirements				
NOS Total		30	70	-	-
NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Cut, shape, drill and join treated bamboo for making of mat, posts, joints, ties, beams and bracing used for building construction	<i>Carry out cutting, shaping drilling and jointing of treated bamboo members for making of mat, posts, joints, ties, beams and bracing used for building construction</i>	30	70		
	PC1. read and interpret the drawing relevant to bamboo construction works				
	PC2. list out the components required for all the members and label them as per specification				
	PC3. ensure the treated bamboo for any signs of damage is free from damages				
	PC4. cut the posts, horizontal members, diagonal bracings, etc. as per drawing and label them (joint numbers)				
	PC5. mark a template for truss making on the ground as per the drawings				

	PC6. cut the treated bamboo to size of components for rafters, ties, struts, wind bracings raking members and purlins- number the member ends				
	PC7. make 10mm diameter holes in the appropriate locations and numbers as per the drawing using hand auger or power drills				
NOS Total		30	70	-	-
NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Construct simple rural buildings with treated bamboo	<i>Carry out preparatory works for construction of simple rural building</i>				
	PC1. read and interpret the sketches of the building				
	PC2. select tools required for the task and ensure they are in working condition				
	PC3. set out the layouts as per sketches/drawings	5	15		
	PC4. ensure transfer of loading points as per the layouts using water level tubes, plumb bobs to check 90 degree.				
	PC5. ensure proper protection of bamboo members from moisture when in contact with ground				

	PC6. connect base of the bamboo member to a stone/concrete foundation/ top of toe wall as per the sketches	10	20		
	PC7. ensure appropriate protection of bamboo posts, ties and bracings				
	<i>Carry out erection of superstructure with bamboo components</i>				
	PC8. plan and organise work resources for construction of superstructure				
	PC9. sort different components and stack them as per use				
	PC10. use appropriate Personal Protective Equipment (P.P.E.s) for the task				
	PC11. ensure work place is clear for undertaking the super-structure work				
	PC12. place and anchor the posts at base and tie them at roof, lintel and sill level				
	PC13. fix the bracings by fitting all joints with MS bolts (10mm) and tying with GI wire, nylon ropes or equivalent materials				
	PC14. confirm placement of door and window frames as per the drawing				
	PC15. carry out erection of simple bamboo mat walls or Ekra as per				

	specification/ instruction	5	15		
	PC16. carry out plastering of the bamboo mats with cement stabilised mud /cement sand mortar, or plaster reinforced with chicken wire mesh as per applicability				
	<i>Carry out erection of roofing truss, purlins, ties, bracings etc.</i>				
	PC17. plan and organise the sequence work for erection of roof truss				
	PC18. identify the labelled components as per specifications				
	PC19. use PPE's for roof truss erection and follow precaution while working at height				
	PC20. place the truss on the vertical posts as per specifications/ drawings				
	PC21. fabricate trusses, based on the template, using the members cut to sizes as per specifications and joint numbering				
	PC22. connect all the joints using MS bolts and nuts with double washers and secure them by tying with GI wire, nylon rope or equivalent material				
	PC23. fix purlins and rafters simultaneously as the trusses are				

<On-file approved on: 07-05-2025>
<Ratified in 43rd NSQC Meeting: 08-05-2025>

<On-file approved on: 07-05-2025>
<Ratified in 43rd NSQC Meeting: 08-05-2025>

QUALIFICATION FILE-<STT>

<NCVET- QG-3.5-CO-03962-2025-V2-CSDCI >

	erected to ensure stability of the trusses in standing position.				
	PC24. fix all the roof framing components including all trusses, purlins and wind bracing as per the drawing				
	PC25. bolt the joints with MS 10mm diameter bolt and tie with GI wires at all the locations where the purlins rest including the component joint.				
	<i>Fix roof cladding, CGI or bamboo sheets</i>				
	PC26. perform visual checks for the quality of roofing sheets				
	PC27. use PPE's for roof cladding and follow precaution while working at height				
	PC28. fix the roofing sheets to the bamboo truss using J – Hooks	10	20		
	PC29. fix ridge cap, valley and hip covers				
	PC30. fix GI gutters at eaves end for collection of rainwater.				
	NOS Total	30	70	-	-

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Follow seismic and wind safety protection measures for bamboo buildings	<i>Preparatory works for construction of simple rural building</i>	30	70		
	PC1. place the seismic and wind bracing members at the specified location and as per recommended orientation in the super structure				
	PC2. carry out specified placement of the diagonal bracing members in the roof structure and carry out a recommended jointing				
	PC3. carry out winding of GI or equivalent ropes at joints to avoid stress concentration during seismic and high winds				
	PC4. fix J hook fitting to avoid high wind suction of CGI sheets				
	PC5. fix metal arresters to avoid lifting of roofing sheets in very high wind areas				
NOS Total		30	70		

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Construct buildings using Compressed Stabilized Earth Block (CSEB)	<i>Carry out preparatory activities for masonry work</i>	5	20		
	PC1. read and interpret the sketches for super- structure works				
	PC2. select required tools for the task and ensure they are in working condition				
	PC3. select appropriate Personal Protective Equipment (P.P.E.s) for the task				
	PC4. ensure work place is clear for undertaking the super-structure work				
	PC5. select and secure flat areas to stack CSEB blocks.				
	PC6. carry out preparation of working platform for mortar mixing				
	PC7. lay the zero course(without mortar) of CSEB masonry as per sketches/drawings				
	PC8. visually check the CSEB for defect such as breaking joints				
	PC9. check horizontal and vertical straightness using water level tubes, plum bobs and other methods				

	PC10. select and prepare/procure appropriate tools for testing of soil				
	PC11. secure sources for sand, mud and water supply				
	<i>Carry out visual checks on CSEB and test soil types to prepare stabilized sand-mud mortar for carrying out masonry, pointing and plastering work</i>	5	10		
	PC12. select appropriate soil and sand for preparation of stabilized sand-mud mortar				
	PC13. conduct field tests and in select cases, may be laboratory tests				
	PC14. procure sand and soil of required quantities				
	PC15. perform visual checks on the CSEB for strength, soundness, moisture absorption prior to use				
	PC16. screen selected soil and sand before use				
	PC17. select appropriate tools and equipment as per the tasks ensuring they are in working condition				
	<i>Lay CSEB for construction of load bearing / non-load bearing wall, columns in stretcher and English bond for different</i>	10	15		

	<i>block sizes</i>				
	PC18. estimate the quantity of CSEB and mortar material required for English and stretcher bond- full blocks, half and 3/4th blocks				
	PC19. perform visual checks for quality of CSEB prior to use				
	PC20. ensure fine aggregate and mud are sieved as per specification/instruction				
	PC21. ensure proper stacking of CSEB of required numbers as per requirement at the work place				
	PC22. ensure soaking of CSEB prior to commencement of work				
	PC23. break blocks to required shape and size using appropriate tools following appropriate safety measures				
	PC24. lay and fix CSEB blocks for walls both load bearing and non-load bearing wall masonry for columns and walls in English (up to 1&1/2 bricks wall)and stretcher bond for different block sizes				
	PC25. construct T, L, Crossing, opening ends in CSEB of different sizes				
	PC26. provide vertical reinforcement at corners and in opening jambs and				

	horizontal bands as per sketches for seismic protection				
	PC27. check vertical and horizontal alignment using appropriate tools				
	PC28. maintain line and level of each course of CSEB work using wooden / aluminum straight edge sections				
	PC29. set out 90° corners using builder's square or 3-4-5 method and check right angles of corner, T, crossing				
	PC30. ensure adequate curing of constructed masonry structure				
	<i>Carry out fixing of door and window frames in CSEB masonry wall of different block sizes</i>	5	15		
	PC31. mark, set out location of frames of doors, windows and ventilators				
	PC32. check and carry out proper alignment of the frame and hold in position with temporary support				
	PC33. check the holdfast position and grout it (1:1.5:3 CC) between CSEB blocks in wall				
	PC34. fill the gap between wall and door frame with non-shrink material/grout fix wooden/metal panels for doors,				

	windows and ventilators				
	<i>Carry out pointing in CSEB masonry of different block sizes</i>				
	PC35. ensure that joints are cleaned and surface is wet prior to pointing				
	PC36. ensure lime/cement-sand-mud mortar for pointing is prepared as per specification (10% stabilization)				
	PC37. fill joints with cement/lime stabilized mortar (10% stabilization) to obtain specified type of pointing	5	10		
	PC38. carry out flush pointing using recommended tools and technique				
	PC39. ensure specified curing of pointing works				
NOS Total		30	70	-	-
NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Build structures using random rubble masonry for rural construction	<i>Carry out preparatory work for Rubble Masonry</i>				
	PC1. ensure that the correct tools, and tackles are selected for use in the rubble Masonry	10	20		
	PC2. select appropriate personal				

	protective equipment (P.P.E) for the task	10	25		
	PC3. roughly estimate amount of materials required to complete a rubble masonry work				
	PC4. ensure that the sub-base is prepared properly and surface is cleaned before laying the stone				
	PC5. identify and transfer required levels using appropriate tools prior to rubble masonry work				
	<i>Lay out coursed and un coursed Random Rubble Masonry with undressed or hammer dressed stones</i>				
	PC6. mix cement /lime/mud mortar for rubble masonry in specified ratio				
	PC7. check for workability and proportion of cement/lime/ mud mortar				
	PC8. prepare the sides, edges, bed of stone to ensure proper bonding of stones				
	PC9. ensure proper wetting of stones prior to laying				
	PC10. work with both undressed and hammer dressed stones as per the requirement				
	PC11. lay stones to build wall of un-				

	course random rubble or course random rubble as per drawing/sketch				
	PC12. use through stones or bond stones at specified intervals				
	PC13. use large stones at the corners and at jambs to increase the strength				
	PC14. check horizontal and vertical alignment using appropriate tools				
	PC15. set out 90 corners using builders square or 3-4-5 method and check right angle if required				
	PC16. ensure proper curing of rubble masonry structure				
	<i>Carry out flush/raised pointing in stone masonry</i>				
	PC17. perform raking of joints as specified prior to drying of bonding mortar				
	PC18. ensure that joints are cleaned and surface is wet prior to pointing				
	PC19. ensure lime/cement mortar for pointing is prepared as per specification				
	PC20. fill joints with appropriate mortar to obtain specified type of pointing				
	PC21. carry out flush/raised pointing as				
		10	25		

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

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

QUALIFICATION FILE-<STT>

<NCVET- QG-3.5-CO-03962-2025-V2-CSDCI >

	per specification using appropriate tools and technique				
	PC22. ensure proper curing of pointing				
NOS Total		30	70		

NSQC Approved

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 **Rural Mason** 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 **Rural Mason** 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
BM	Brick Masonry
CM	Cement Masonry
SM	Stone Masonry
PM	Plaster Masonry
AAC	Autoclaved Aerated Concrete
CCM	Cement Concrete Masonry
MFM	Mortar-Free Masonry
RRM	Random Rubble Masonry
DRM	Dry Rubble Masonry
FBR	Fly Ash Brickwork
SCM	Structural Clay Masonry
CSP	Concrete Solid Block Masonry
CMU	Concrete Masonry Unit
RM	Reinforced Masonry
TMC	Traditional Masonry Construction
FMB	Flemish Bond Masonry
SBM	Stretcher Bond Masonry
HCM	Header Course Masonry
RCM	Rubble Concrete Masonry
LRM	Load-Bearing Rubble Masonry
FRBM	First-Class Brick Masonry
FMB	Flemish Bond Masonry
SBM	Stretcher Bond Masonry
HCM	Header Course Masonry
RCM	Rubble Concrete Masonry
LRM	Load-Bearing Rubble Masonry
FRBM	First-Class Brick Masonry
PCC	Plain Cement Concrete (used for masonry foundations)
RCC	Reinforced Cement Concrete
FMU	Facing Masonry Unit

CLB	Clay Lintel Block
AACB	Autoclaved Aerated Concrete Block
CSB	Concrete Solid Block
RB	Rubble Block
CBB	Clay Burnt Brick
PCC	Plain Cement Concrete (used for masonry foundations)
RCC	Reinforced Cement Concrete
FMU	Facing Masonry Unit
CLB	Clay Lintel Block
AACB	Autoclaved Aerated Concrete Block
CSB	Concrete Solid Block
RB	Rubble Block
CBB	Clay Burnt Brick
BSM	Brick and Stone Masonry
PBM	Precast Block Masonry
DM	Dry Masonry
MSM	Mortar-Set Masonry
BMM	Brick Mortar Masonry
SMM	Structural Masonry Method
NHBC	National House Building Council (Masonry Standards)

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

