

QUALIFICATION FILE

Foreman Concrete

☒ 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: 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:

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Section 1: Basic Details

1.	Qualification Name	Foreman Concrete													
2.	Sector/s	Construction													
3.	Type of Qualification: ☐ New ☒ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing/previous qualification: (QG-4.5-CO-03383-2024-V1.1-CSDCI & v 3.0)	Qualification Name of existing/previous version: Foreman Concrete												
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA													
5.	National Qualification Register (NQR) Code &Version (Will be issued after NSQC approval)	QG-05-CO-03960-2025-V2-CSDCI & v 4.0	6. NCrf/NSQF Level: 5												
7.	Award (Certificate/Diploma/Advanced Diploma/ Any Other (Wherever applicable specify multiple entry/exits also & provide details in annexure)	Certificate													
8.	Brief Description of the Qualification	A Foreman - Concrete is responsible for reading and interpreting drawings, standards and specifications, ensuring completion of preparatory work before concreting and directing and monitoring the execution of concreting works. The individual also plans, arranges and manages resources and ensures safe practices are adhered to by the team members.													
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Completed 2nd year of 3-year/ 4-years UG (B.E. / B.Tech in Civil Engineering)</td> <td></td> </tr> <tr> <td>2.</td> <td>Completed 2nd year of diploma after 12th (in Civil Engineering)</td> <td></td> </tr> <tr> <td>3.</td> <td>Completed 3-Year diploma after 10th (in Civil Engineering)</td> <td>1-year relevant experience</td> </tr> </tbody> </table>		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1.	Completed 2 nd year of 3-year/ 4-years UG (B.E. / B.Tech in Civil Engineering)		2.	Completed 2 nd year of diploma after 12 th (in Civil Engineering)		3.	Completed 3-Year diploma after 10th (in Civil Engineering)	1-year relevant experience
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)													
1.	Completed 2 nd year of 3-year/ 4-years UG (B.E. / B.Tech in Civil Engineering)														
2.	Completed 2 nd year of diploma after 12 th (in Civil Engineering)														
3.	Completed 3-Year diploma after 10th (in Civil Engineering)	1-year relevant experience													

		<table border="1"> <tr> <td>4.</td><td>Completed 1st Year of 3-Year / 4-Years UG (B.E. / B.Tech in Civil Engineering)</td><td>1-year relevant experience</td></tr> <tr> <td>5.</td><td>12th Grade Pass</td><td>2-year relevant experience</td></tr> <tr> <td>6.</td><td>10th Grade pass</td><td>4-year relevant experience</td></tr> <tr> <td>7.</td><td>Previous relevant Qualification of NSQF Level 4 (Brick Mason)</td><td>3-year relevant experience</td></tr> </table>	4.	Completed 1 st Year of 3-Year / 4-Years UG (B.E. / B.Tech in Civil Engineering)	1-year relevant experience	5.	12th Grade Pass	2-year relevant experience	6.	10th Grade pass	4-year relevant experience	7.	Previous relevant Qualification of NSQF Level 4 (Brick Mason)	3-year relevant experience								
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5.	12th Grade Pass	2-year relevant experience																				
6.	10th Grade pass	4-year relevant experience																				
7.	Previous relevant Qualification of NSQF Level 4 (Brick Mason)	3-year relevant experience																				
		b. Min. Job Entry Age: 18 years																				
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	19	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)	☒ 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>210</td><td>0</td><td>360</td><td></td><td>570</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)	210	0	360		570	Online						(Refer Blended Learning Annexure for details)	
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																	
Classroom (offline)	210	0	360		570																	
Online																						
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO-2015/3112.9900																				
15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	Supervisor Structure (Technical)																				
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 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 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 job roles, through policies and practices that support work-life balance, equal pay and promotion opportunities, and a safe and respectful workplace.	
20.	Are Greening/ Environment Sustainability Aspects Covered (Specify the NOS/Module which covers it)	☒ Yes ☐ No CON/N9002	
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.	Final Approval Date by NSQC: 08.05.2025	24. Validity Duration: 6 Months	25. Next Review Date: 31.10.2025

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.	Interpret working drawings, specification and standards for concreting works	CON/N0129 & V 4.0	Core	5	3	25	-	65	-	90	30	70	-	-	100	20
2.	Ensure completion of preparatory works prior to concreting	CON/N0130 & V 4.0	Core	5	4	35	-	85	-	120	30	70	-	-	100	20
3.	Direct and monitor the execution of concreting works as per specifications and standard practices	CON/N0131 & V 4.0	Core	5	6	50	-	130	-	180	30	70	-	-	100	25

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.	Manage workplace for safe and healthy work environment	CON/N9002 & V 4.0	Core	5	1	10	-	20	-	30	30	70	-	-	100	10
5.	Plan, arrange and manage resources for execution of relevant work	CON/N7001 & V 4.0	Non-Core	5	1	10	-	20	-	30	30	70	-	-	100	10
6.	Work effectively in a team to deliver desired results at the workplace	CON/N8001 & V 3.0	Non-Core	4	1	10	-	20	-	30	30	70	-	-	100	5
7.	Supervise, monitor and evaluate performance of subordinates at workplace	CON/N8003 & V 4.0	Non-Core	5.5	1	10	--	20	-	30	30	70	-	-	100	5
8.	Employability Skills (60 Hours)	DGT/VSQ/N0102 & V 1.0	Non-Core	4	2	60	-	-	-	60	20	30	-	-	50	5
Duration (in Hours) / Total Marks					19	210	-	360	-	570	230	520	-	-	750	100

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

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

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

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

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.)

Section 3: Training Related

		Minimum Educational Qualification	Specialization	Relevant Industry Experience		Preferable Training Experience	
				Years	Specialization	Years	Specialization
1.	Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	B.E. / B.Tech	Civil Engineering	5	Site Execution (Concreting of Structures in Civil Work)	1	Concrete Work on Structures
		OR					
		Diploma	Civil Engineering	7	Site Execution (Concreting of Structures in Civil Work)	1	Concrete Work on Structures
		OR					
		ITI	Relevant Trade	8	Site Execution (Concreting of Structures in Civil Work)	1	Concrete Work on Structures
		OR					
		Ex-Army Graduate	in any Stream	8	Site Execution (Concreting of Structures in Civil Work)	1	Concrete Work on Structures

2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	<table border="1"> <tr> <th data-bbox="844 251 1113 391" rowspan="2">Minimum Educational Qualification</th> <th data-bbox="1113 251 1314 391" rowspan="2">Specialization</th> <th colspan="2" data-bbox="1314 251 1635 326">Relevant Industry Experience</th> <th colspan="2" data-bbox="1635 251 1936 326">Preferable Training Experience</th> </tr> <tr> <th data-bbox="1314 326 1425 391">Years</th> <th data-bbox="1425 326 1635 391">Specialization</th> <th data-bbox="1635 326 1730 391">Years</th> <th data-bbox="1730 326 1936 391">Specialization</th> </tr> <tr> <td data-bbox="844 391 1113 537">B.E. / B.Tech</td> <td data-bbox="1113 391 1314 537">Civil Engineering</td> <td data-bbox="1314 391 1425 537">6</td> <td data-bbox="1425 391 1635 537">Site Execution (Concreting of Structures in Civil Work)</td> <td data-bbox="1635 391 1730 537">1</td> <td data-bbox="1730 391 1936 537">Concrete Work on Structures</td> </tr> <tr> <td colspan="6" data-bbox="844 537 1936 573">OR</td> </tr> <tr> <td data-bbox="844 573 1113 719">Diploma</td> <td data-bbox="1113 573 1314 719">Civil Engineering</td> <td data-bbox="1314 573 1425 719">8</td> <td data-bbox="1425 573 1635 719">Site Execution (Concreting of Structures in Civil Work)</td> <td data-bbox="1635 573 1730 719">1</td> <td data-bbox="1730 573 1936 719">Concrete Work on Structures</td> </tr> <tr> <td colspan="6" data-bbox="844 719 1936 755">OR</td> </tr> <tr> <td data-bbox="844 755 1113 901">Existing TOT certified Trainer in Skill Qualification</td> <td data-bbox="1113 755 1314 901">Foreman Concrete</td> <td data-bbox="1314 755 1425 901">2</td> <td data-bbox="1425 755 1635 901">Site Execution (Concreting of Structures in Civil Work)</td> <td data-bbox="1635 755 1730 901">5</td> <td data-bbox="1730 755 1936 901">Concrete Work on Structures</td> </tr> </table>						Minimum Educational Qualification	Specialization	Relevant Industry Experience		Preferable Training Experience		Years	Specialization	Years	Specialization	B.E. / B.Tech	Civil Engineering	6	Site Execution (Concreting of Structures in Civil Work)	1	Concrete Work on Structures	OR						Diploma	Civil Engineering	8	Site Execution (Concreting of Structures in Civil Work)	1	Concrete Work on Structures	OR						Existing TOT certified Trainer in Skill Qualification	Foreman Concrete	2	Site Execution (Concreting of Structures in Civil Work)	5	Concrete Work on Structures
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Preferable Training Experience																																											
		Years	Specialization	Years	Specialization																																										
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Existing TOT certified Trainer in Skill Qualification	Foreman Concrete	2	Site Execution (Concreting of Structures in Civil Work)	5	Concrete Work on Structures																																										
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	As Applicable																																													

Section 4: Assessment Related

1.	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	6	Site Execution (Concreting of Structures in Civil Work)
		OR			
2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Minimum Educational Qualification	Specialization	Relevant Technical Experience	
				Years	Specialization
		Graduation	In Relevant Stream	1	-
		OR			
3.	Lead Assessor's/Proctor'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 (Concreting of Structures in Civil Work)
		OR			
		Diploma	Civil Engineering	13	Site Execution (Concreting of Structures in Civil Work)

4.	Assessment Mode (<i>Specify the assessment mode</i>)	Offline
5.	Tools and Equipment Required for Assessment	☒ Same as for training ☐ Yes ☐ No (<i>details to be provided in Annexure-if it is different for Assessment</i>)

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

1.	Latest Skill Gap Study (not older than 2 years) (Yes/No): Yes
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: 26
5.	Estimated nos. of persons to be trained and employed: 1,000 & 1,000
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 (Mandatory)	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	NSQF / NCrF Level
Professional Theoretical Knowledge/Process	- Process of interpreting working drawings, specification and standards for concreting works - Process of ensuring completion of preparatory works prior to concreting - Process of directing and monitoring the execution of concreting works as per specifications and standard practices - Process of planning, arranging and managing resources for execution of relevant work - Process of planning, arranging and managing resources for execution of relevant work - Process of working effectively in a team to deliver desired results at the workplace - Process of supervising, monitoring and evaluating performance of subordinates at workplace - Process of managing workplace for safe and health work environment	As detailed, the entire process followed by a Foreman Concrete is to interpret working drawings, specification and standards for concreting works; ensure completion of preparatory works prior to concreting; direct and monitor the execution of concreting works as per specifications and standard practices. As the work is routine and is repeated multiple times, the work becomes predictable. As the Foreman Concrete 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.	5
Professional and Technical Skills/ Expertise/ Professional Knowledge	- Know the standard practices for concreting works - Know principles involved in reading and interpreting various relevant drawings	The knowledge required for a Foreman Concrete is factual, as it is specific and limited to the knowledge of standard practices for concreting works; reading and interpreting various relevant drawings; calculation of required quantity of	5

	• Know how to calculate required quantity of material from structural drawing • Understand all aspects of concreting work (including pouring, screening, leveling and finishing) • Understand the difference and comparison between pre-cast and in-situ concreting works • Know preventive and corrective action to ensure the completion of preparatory works prior to concreting • Know the methodology for checking line, level and alignment for various concreting works • Know the methodology of concreting works in horizontal, vertical and inclined surfaces • Know the different type of high quality concrete finish	material from structural drawing; all aspects of concreting work (including pouring, screening, leveling and finishing; difference and comparison between pre-cast and in-situ concreting works; preventive and corrective action to ensure the completion of preparatory works prior to concreting; methodology for checking line, level and alignment for various concreting works; methodology of concreting works in horizontal, vertical and inclined surfaces; different type of high quality concrete finish. Therefore, their knowledge is applicable to their field of work only.	
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	• Interpret specification provided in the relevant drawing for concreting works • Interpret the operational standards /manufacturer's specification of all relevant concreting tools and equipment • Carry out calculation for required quantity of material from structural drawing for reconciliation and records • Prepare a detailed work plan for execution of concreting work at construction site/yard • Check the grade of concrete prior to concreting	As indicated the skill set is required to interpret specification provided in the relevant drawing for concreting works; interpret the operational standards /manufacturer's specification of all relevant concreting tools and equipment; carry out calculation for required quantity of material from structural drawing for reconciliation and records; prepare a detailed work plan for execution of concreting work at construction site/yard; check the formwork/molds for leaks during concreting; ensure correct preventive measures are taken as per the hot/cold weather concreting; monitor the curing of concrete for a	5

	• Check the formwork/molds for leaks during concreting • Ensure correct preventive measures are taken as per the hot/cold weather concreting • Monitor the curing of concrete for a specified period of time in hot/cold weather concreting • Examine the concrete after stripping of forms for surface deformities and defects	specified period of time in hot/cold weather concreting; examine the concrete after stripping of forms for surface deformities and defects.	
Broad Learning Outcomes/Core Skill	• Carry out interpretation of working drawings, specification and standards for concreting works • Carry out completion of preparatory works prior to concreting. • Carry out ways to direct and monitor the execution of concreting works as per specifications and standard practices.	The job holder is expected to carry out the process of interpretation of working drawings, specification and standards for concreting works; completion of preparatory works prior to concreting; direct and monitor the execution of concreting works as per specifications and standard practices.	5
Responsibility	The individual in this job role will be responsible for the below-mentioned activities: • Interpret working drawings, specification and standards for concreting works • Ensure completion of preparatory works prior to concreting at construction site/yard • Ensure execution of concreting in formwork/precast molds and form finished structures • Ensure execution of concreting in extreme hot/cold weather	A Foreman - Concrete is responsible for reading and interpreting drawings, standards and specifications, ensuring completion of preparatory work before concreting and directing and monitoring the execution of concreting works. The individual also plans, arranges and manages resources and ensures safe practices are adhered to by the team members.	5

	• Examine concrete after stripping forms and instruct repairing of concrete as per applicability • Plan and prepare for work • Arrange and manage manpower • Arrange allocate and manage tools, material and equipment for completion of work, as per the plan • Interact and communicate in an effective manner • Support co-workers to execute the project requirements • Practice inclusion • Monitor and evaluate subordinate's performance as per quality standards and timelines • Practice and promote gender inclusive behavior and leadership • Ensure effective implementation of health, safety and environment policies and procedures • Identify and respond to risks / fire and emergencies associated with the work practices and workplace • Ensure sanitization and infection control guidelines are followed at construction site		
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Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 30 Candidates

S. No.	Tool / Equipment Name	Unit	Quantity For Specified Batch Size
1.	Construction Drawings and Blueprints	Nos.	30
2.	Measuring Tape – 5m	Nos.	30
3.	Laser Distance Meters	Nos.	15
4.	Laser Level	Nos.	15
5.	Spirit Levels – 1 ft	Nos.	15
6.	Spirit Levels –3 ft	Nos.	15
7.	Marking Tools (Pencils, Markers)	Nos.	30
8.	Reinforcement Bar Schedules and Bending Diagrams	Nos.	30
9.	IS Codes- IS 456:2000 and IS 800:2007	Pair	10
10.	Digital Compression Testing Machine- (CTM)	Nos.	1
11.	Calculators	Nos.	30
12.	Safety Vests	Nos.	30
13.	Safety Helmets	Nos.	30
14.	Safety Shoes	Pair	30

15.	Safety Glasses	Nos.	30
16.	Ear Plug	Nos.	30
17.	Dust Mask	Nos.	30
18.	First Aid Kits	Nos.	2
19.	Fire Extinguishers	Nos.	2

Classroom Aids

The aids required to conduct sessions in the classroom are:

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

Annexure: Industry Validations Summary

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

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)
1	Larsen and Toubro Ltd	J Raguraman	Head, CSTD	PB No 979, Mount Poonamallee Road, Manapakkam, Chennai, 600089	9943247482	jraguraman@Intecc.com	
2	National Academy of Construction	M Indra Kiran	Director	Near SS Convention Center, Labbipet, Vijayawada, Andhra Pradesh, PIN: 520010	9849470249	nacaptrainings@gmail.com	
3	Indian Institute of Infrastructure and Construction	Prof. (Dr.) B. Sunil Kumar	Director, IIIC	Near Chavara Bridge, AMC, Puthanthura Post, Neendakara - 69L582, Kollam. Kerala	9895013924	director@iiic.ac.in	
4	JK Cement Ltd	Ashish Singh	General Manager	Kamla Tower, Kanpur Nagar, UP, 208001	9468837057	ashish.singh1@jkcement.com	
5	Kamac Engineers Pvt Ltd	Yudhajit Saha	Manager – Contracts & Planning	Ramkrishna Samity Building, Panitanki More, 40/107, Sevoke Rd, Ward 11, Near Pani Tanki More (Clock Tower), Siliguri, West Bengal 734001	8240040261	planning@kamac.in	
6	One Naga Construction Private Limited	Tunito Alex Zhimomi	CEO	DR.N. Theuno; Bayavu; Near N.B.S Office Area; Kohima; Kohima; Nagaland; 797001; India	7005715093	alexzim881@gmail.com	

7	OP Jindal Community College	Om Prakash Verma	Principal	O P Jindal Industrial Park, Tumidih, Chhattisgarh 496107		omprakash.verma@opjccraigarh.edu.in	
8	Poddar Infratech Pvt Ltd	Ms. Neha Devgan	Contracts Manager	202, Crowne Heights, Sector 10 , Rohini , New Delhi	8449521881	letters@poddarinfra.com	
9	Solidstone Constructions	Pragadeeshwaran R J	Principal Designer & Chief Execution (Civil)	7/2 Perumal Nagar, No4 Veerapandi, CBE – 19	7904788630	solidstone.projects@gmail.com	linkedin.com/in/pragadeeshwaran-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	starprojectsservices@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	AK Consulting	Nirman Jain	Technical Head	6th Cross Rd, 1st Stage, Kadugondanahalli, Bengaluru, Karnataka 560045	7042447336	nirmanjain777@gmail.com	
13	Artificial Intelligence Technologies Ltd	Rohit Kumar Sharma	Sr. Developer	A-21 Kailash Colony, New Delhi – 110048	9927564461	rohit.sharma@aituniversal.com	
14	Asirbadh Projects and Infrastructure Limited	Kunwar Jee	GM (Projects)	A.G. Office Road, Doanda, Ranchi-834002, Jharkhand.	7858801901	ahplmd@yahoo.com	

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

24	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	
25	Sunbright Manpower Solutions Pvt. Ltd	Arun Kumar	Supervisor	Shop No. 3144, Main Road, Narasapura, Kolar Taluk, Bangalore, Karnataka, 563133	7338463588	bangalore@sunbrightgroup.com	
26	ATS Homekraft	Bhumit Kamboj	General Manager, Program	ATS HomeKraft, 4th Floor, ATS Tower, Plot no-16, Sector-135, Noida-201305	9873951040	bhumit.kamboj@homekraft.in	

Annexure: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities
2025-26	100	100	20	20	Subject to the requirement of the Industry	Subject to the requirement of the Industry
2026-27	300	300	60	60	Subject to the requirement of the Industry	Subject to the requirement of the Industry
2027-28	600	600	120	120	Subject to the requirement of the Industry	Subject to the requirement of the Industry

Data to be provided year-wise for next 3 years

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

Qualification Version	Year	Total Candidates				Women				People with Disability			
		Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed
v2.0	2022-23	0	0	0	0	0	0	0	0	0	0	0	0
v2.0	2023-24	0	0	0	0	0	0	0	0	0	0	0	0
v2.0	2024-25	0	0	0	0	0	0	0	0	0	0	0	0

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. PBSSD

Content availability for previous versions of qualifications:

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

Languages in which Content is available: English

NSQC Approved

Annexure: Detailed Assessment Criteria

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

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Interpret working drawings, specification and standards for concreting works	<i>Interpret working drawings, specification and standards for concreting works</i>	30	70		
	PC1. interpret details like location, concrete grade, pour area, pouring volume and reinforcement detail from relevant working drawings for concreting works				
	PC2. interpret specification provided in the relevant drawing for concreting works				
	PC3. interpret schedule for concreting works				
	PC4. interpret the operational standards /manufacturer's specification of all relevant concreting tools and equipment				
	PC5. interpret the method statement for concreting works				
	PC6. interpret standard technical specification within scope of work				
	PC7. reproduce technical drawings as simplified hand sketches for explaining and providing clear instructions to subordinates				
	PC8. carry out calculation for required quantity of material from structural drawing for reconciliation and records				
	Total Marks	30	70	-	-

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Ensure completion of preparatory works prior to concreting	<i>Ensure completion of preparatory works prior to concreting at construction site/yard</i>	30	70		
	PC1. prepare a detailed work plan for execution of concreting work at construction site/yard				
	PC2. ensure setting out for concreting work is as per the approved drawings				
	PC3. ensure working platforms, hand rails and access stairs are safe for working				
	PC4. ensure workplace is clear of debris and guard rails, safety nets and kerb boards are in place				
	PC5. ensure that the concrete mix is prepared in the specified proportions, within the specified workability, in case of manual mixing of concrete				
	PC6. check the grade of concrete prior to concreting				
	PC7. inspect the required formwork/molds for gaps/misalignment of reinforcement/cover				
	PC8. check the formwork/molds for leaks during concreting				
	PC9. ensure cleaning of formwork prior to concreting				
	PC10. inspect the shoring and bracing of concrete forms to ensure their stability during pour				
	PC11. indicate route and position for pouring of concrete				
	PC12. inspect the fixing and setting of pump line and machinery for pouring of concrete				
	PC13. ensure the use of suitable type of pump as per the discharge and head of concrete				
	PC14. record details of the concreting works covering grade of concrete, area and volume of pour, number of workers, tools and equipment deployed for work and achieved productivity				
	PC15. oversee and inspect the pumping of concrete				
Total Marks		30	70	-	-

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Direct and monitor the execution of concreting works as per specifications and standard practices	<i>Ensure execution of concreting in formwork/precast molds and form finished structures</i>	10	20		
	PC1. visually assess the workability and usability of concrete mix and discard detrimental concrete mix				
	PC2. prescribe method for pouring, levelling and finishing of concrete as per standard practices and specifications				
	PC3. ensure the pouring of concrete from specified height and use of correct type of vibrator for compaction				
	PC4. inspect and assist in using tools and equipment relevant to task				
	PC5. ensure that concrete is compacted to desired consistency and surface is finished to specified uniformity and smoothness/finish				
	PC6. ensure leveling of edges and corners within tolerance levels				
	PC7. direct and monitor the grooving/cutting for expansion/contraction joints				
	PC8. ensure that the appropriate technique for finishing of concrete works like broom finish, float and trowel finish etc. has been employed as per drawing				
	PC9. ensure synchronization of all above concreting activities to ensure rapid placement and compaction of concrete with respect to the setting time of concrete in case of form finished structure				
	PC10. prescribe methods and monitor curing of concrete				
	PC11. highlight errors to workers, suggest remedial action and demonstrate correct work processes as per applicability				
	<i>Ensure execution of concreting in extreme hot/cold weather</i>	10	30		
	PC12. monitor wind, air, concrete temperature and humidity				
	PC13. manage schedule of concreting in accordance with the temperature change in day and night as per hot/cold weather concreting				

	PC14. provide sunshades/windbreaks/heated enclosures as per the concreting requirement				
	PC15. check that evaporative retarder/anti-freeze is used in hot/cold weather concreting				
	PC16. ensure correct preventive measures are taken as per the hot/cold weather concreting				
	PC17. ensure rapid placement and compaction of concrete as per concreting requirement				
	PC18. monitor the placing and grooving/cutting of expansion/construction joint as per concreting requirement				
	PC19. monitor the curing of concrete for a specified period of time in hot/cold weather concreting				
	<i>Examine concrete after stripping forms and instruct repairing of concrete as per applicability</i>	10	20		
	PC20. examine the concrete after stripping of forms for surface deformities and defects				
	PC21. direct the removal and repair of concrete with porosity, honey comb, or segregated materials, as approved by senior/client and prescribe method for repair				
	PC22. ensure proper curing of repaired concrete				
	Total Marks	30	70	-	-

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Plan, arrange and manage resources for execution of relevant work	<i>Plan and prepare for work</i>	12	24		
	PC1. identify the targets and timelines for the work set by superiors				
	PC2. determine the work requirements corresponding to task(drawings/schedules/instructions/methodology), safety, tools and equipment prior to commencement of task				
	PC3. plan the work by analyzing the required outcomes, work procedures, allotted time, resource availability and known priorities				
	PC4. prepare the work areas in coordination with team members				
	PC5. plan for waste collection and disposal prior to and after completion of work	12	24		
	<i>Arrange and manage manpower</i>				
	PC6. determine quantum and nature of work under assigned activity				
	PC7. calculate requirement of manpower for assigned activities				
	PC8. submit manpower requirement to superiors				
	PC9. allocate and extract work as per plan				
	PC10. provide clear instructions to workmen for execution of work				
	PC11. ensure optimum utilization of manpower resources				
	PC12. record the daily labor attendance and their daily productivity	6	22		
	<i>Arrange allocate and manage tools, material and equipment for completion of work, as per the plan</i>				
	PC13. estimate requirement for material, components, fixtures, equipment, tools and accessories				
	PC14. submit material, equipment and tool requirement to superiors				
	PC15. allocate material, equipment and tools to workmen and extract the work as per plan				
	PC16. provide clear instructions for optimum use of resources				

	PC17. ensure the work processes adopted are in line with the specified standards and instructions				
	PC18. complete the work with the allocated resources within specified time				
	Total Marks	30	70	-	-

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Work effectively in a team to deliver desired results at the workplace	<i>Interact and communicate in an effective manner</i>	18	42		
	PC1. pass on work related information/ requirement clearly to the team members				
	PC2. inform co-workers and superiors about any kind of deviations from work				
	PC3. report any unresolved problem to the supervisor immediately				
	PC4. obtain instructions from superiors and respond on the same				
	PC5. communicate to team members/subordinates for appropriate work technique and method				
	PC6. seek clarification and advice as per the requirement				
	<i>Support co-workers to execute the project requirements</i>	6	14		
	PC7. hand over the required material, tools, tackles, equipment and work fronts timely to interfacing teams				
	PC8. work together with co-workers in a synchronized manner				
	<i>Practice inclusion</i>	6	14		
	PC9. maintain cultural inclusivity at workplace				
	PC10. maintain disability friendly work practices				
	PC11. follow gender neutral practices at workplace				

	PC12. address discriminatory and offensive behaviour in a professional manner as per organizational policy				
	Total Marks	30	70	-	-

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Supervise, monitor and evaluate performance of subordinates at workplace	<i>Monitor and evaluate sub-ordinates performance as per quality standards and timelines</i>	20	40		
	PC1. fix expected targets for the respective gang as per site requirements and allocate work to subordinates				
	PC2. establish expected performance standards and expectations for the respective gang of workers to meet the desired outcomes				
	PC3. inspect assigned work to the respected gang of workers through progressive checking				
	PC4. observe and verify the work activities performed by the subordinates at the construction site				
	PC5. monitor overall performance of subordinates on the designed measures to ensure quality requirements set by the concerned authority				
	PC6. ensure adherence to the organizational policies and procedures for all relevant construction activities by the workmen subordinations				

	<i>Practice and promote gender inclusive behavior and leadership</i>	10	30		
	PC7. promote a safe, supportive, inclusive and gender sensitive environment at workplace.				
	PC8. manage and facilitate capacity building to enable inclusion of all genders				
	PC9. take prompt corrective action in case of inappropriate behavior at workplace				
	Total Marks	30	70	-	-

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Manage workplace for safe and healthy work environment	<i>Ensure effective implementation of health, safety and environment policies and procedures</i>	15	40		
	PC1. implement safe handling and stacking methods at workplace /store				
	PC2. ensure the adequate availability and placing of safety and protection installations at site				
	PC3. ensure that safe access ways are available at work place for movement of workers and materials				
	PC4. ensure the safe use of tools and tackles by teammates as per work requirements				
	PC5. ensure ergonomic principles are adopted by the teammates while lifting and shifting of construction materials, tools and equipment				
	PC6. ensure appropriate use of following Personal Protective Equipment (PPE) as per work requirement of head protection, ear protection, fall protection, foot protection, face and eye				

	protection, hand and body protection, respiratory protection	10	20		
	PC7. maintain entry and exit pathways from confined spaces, excavated pits and other location as per safety parameters/instructions				
	PC8. ensure proper housekeeping at workplace				
	PC9. ensure that subordinates adhere to health and safety plans				
	<i>Identify and respond to risks / fire and emergencies associated with the work practices and workplace</i>				
	PC10. identify any hazard at workplace and report/notify the same to appropriate authorities.				
	PC11. follow procedures for accident recording and reporting as per organizational and statutory requirements				
	PC12. ensure effective adherence to emergency response procedures / protocols				
	PC13. select and operate different types of fire extinguishers corresponding to types of fires as per EHS guideline				
	PC14. obtain 'height pass' clearance as per EHS guideline				
	PC15. implement control measures to reduce risks, meeting legislative requirements within the scope of own role and expertise, as per organizational policies				
	<i>Ensure sanitization and infection control guidelines are followed at construction site</i>	5	10		
	PC16. promote awareness about latest hygiene and sanitation regulations				
	PC17. ensure disinfection procedure related to material, tools and supplies are followed properly				
	PC18. respond to infection prevention and control and its non-compliance, within scope of own role or report to required personnel				
	Total Marks	30	70	-	-

NOS / Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Employability Skills (60 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>	3	4		

PC9. use various financial products and services safely and securely				
PC10. calculate income, expenses, savings etc.				
PC11. approach the concerned authorities for any exploitation as per legal rights and laws				
<i>Essential Digital Skills</i>				
PC12. operate digital devices and use its features and applications securely and safely	4	6		
PC13. use internet and social media platforms securely and safely				
<i>Entrepreneurship</i>				
PC14. identify and assess opportunities for potential business	3	5		
PC15. identify sources for arranging money and associated financial and legal challenges				
<i>Customer Service</i>				
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				
PC20. search for suitable jobs and apply	1	3		
PC21. identify and register apprenticeship opportunities as per requirement				
Total Marks	20	30	-	-

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 **Foreman Concrete** 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 **Foreman Concrete** 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