



QUALIFICATION FILE

Brick 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: 4

Submitted By:

Construction Skill Development Council of India

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

Submitting Body Contact Details:

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Section 1: Basic Details

1.	Qualification Name	Brick 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-03374-2024-V1.1-CSDCI & v3.0)	Qualification Name of existing/previous version: Brick Mason (Electives: General/Plastering)
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA	
5.	National Qualification Register (NQR) Code &Version (Will be issued after NSQC approval)	QG-04-CO-03958-2025-V2-CSDCI & v 4.0	6. NCrf/NSQF Level: 4
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 Brick Mason, is a skilled tradesperson responsible for constructing, repairing, and maintaining structures made of brick, stone, concrete blocks, or other similar materials. The Brick mason is required to perform routine masonry works, such as brickwork, block work, laying paver blocks, plastering, brick bat coba waterproofing, random rubble masonry and IPS/Tremix flooring, etc.	

9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table><tr><th>S. No.</th><th>Academic/Skill Qualification (with Specialization - if applicable)</th><th>Required Experience (with Specialization - if applicable)</th></tr><tr><td>1.</td><td>12th grade pass</td><td></td></tr><tr><td>2.</td><td>Completed 2nd year of 3-year diploma after 10th (in Civil Engineering)</td><td></td></tr><tr><td>3.</td><td>11th grade pass</td><td>1-year relevant experience</td></tr><tr><td>4.</td><td>10th grade pass</td><td>2-year relevant experience</td></tr><tr><td>5.</td><td>8th grade pass</td><td>4-year relevant experience</td></tr><tr><td>6.</td><td>Previous relevant Qualification of NSQF Level 3.5 (Rural Mason / Mason Concrete)</td><td>1.5-year relevant experience</td></tr><tr><td>7.</td><td>Previous relevant qualification of NSQF Level 3 (Assistant Mason)</td><td>3-year relevant experience</td></tr></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.	12th grade pass		2.	Completed 2nd year of 3-year diploma after 10 th (in Civil Engineering)		3.	11th grade pass	1-year relevant experience	4.	10 th grade pass	2-year relevant experience	5.	8th grade pass	4-year relevant experience	6.	Previous relevant Qualification of NSQF Level 3.5 (Rural Mason / Mason Concrete)	1.5-year relevant experience	7.	Previous relevant qualification of NSQF Level 3 (Assistant Mason)	3-year relevant experience
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7.	Previous relevant qualification of NSQF Level 3 (Assistant Mason)	3-year relevant experience																									
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	15	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 <i>(Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)</i>	Minimum Duration: - ☒ Offline ☐ Online ☐ Blended <table border="1"> <thead> <tr> <th>Training Delivery Modes</th> <th>Theory (Hours)</th> <th>Practical (Hours)</th> <th>OJT Mandatory (Hours)</th> <th>OJT Recommended (Hours)</th> <th>Total (Hours)</th> </tr> </thead> <tbody> <tr> <td>Classroom (offline)</td> <td>120</td> <td>270</td> <td>60</td> <td>-</td> <td>450</td> </tr> <tr> <td>Online</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <i>(Refer Blended Learning Annexure for details)</i> 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>180</td> <td>390</td> <td>120</td> <td>-</td> <td>690</td> </tr> <tr> <td>Online</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <i>(Refer Blended Learning Annexure for details)</i>	Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	120	270	60	-	450	Online						Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	180	390	120	-	690	Online					
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14.	Aligned to NCO/ISCO Code/s <i>(if no code is available mention the same)</i>	NCO-2015/7112.0200																																				
15.	Progression path after attaining the qualification <i>(Please show Professional and Academic progression)</i>	Foreman Concrete																																				
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 <i>(Specify the NOS/Module which covers it)</i>	☒ 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 <i>(In case of CS or MS, provide details of both Lead AB & Supporting ABs)</i>	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 the layout for brick/block works	CON/N0143 & v 4.0	Core	4	2	15	35	10	-	60	30	70	-	-	100	20
2	Carry out brick-laying work	CON/N0144 & v 4.0	Core	4	3	15	65	10	-	90	30	70	-	-	100	20
3	Carry out block-laying work	CON/N0145 & v 4.0	Core	4	2	15	35	10	-	60	30	70	-	-	100	20
4	Work effectively in a team to deliver desired results at the workplace	CON/N8001 & v 3.0	Core	4	1	05	25	-	-	30	30	70	-	-	100	5

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

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

QUALIFICATION FILE-<STT>

<NCVET- QG-04-CO-03958-2025-V2-CSDCI >

5	Plan and organize work to meet expected outcomes	CON/N8002 & v 4.0	Non-Core	4	1	05	25	-	-	30	30	70	-	-	100	5
6	Work according to personal health, safety and environment protocols at construction site	CON/N9001 & v 3.0	Non-Core	4	1	05	25	-	-	30	30	70	-	-	100	5
7	Employability Skills (30 Hours)	DGT/VSQ/N0101 & v 1.0	Non-Core	2	1	30	-	-	-	30	20	30	-	-	50	5
Duration (in Hours) / Total Marks					11	90	210	30	-	330	200	450	-	-	650	80

Elective NOS/s:

Specify the training duration and assessment criteria at NOS/ Module level. For further details refer to the curriculum document.

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

Elective 1: 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.	Carry out brick bat coba waterproofing	CON/N0146 & v 4.0	Core	4	2	15	30	15	-	60	30	70	-	-	100	10
2.	Carry out IPS (Indian Patent Stone) flooring	CON/N0147 & v 4.0	Core	4	2	15	30	15	-	60	30	70	-	-	100	10
Duration (in Hours) / Total Marks					4	30	60	30	-	120	60	140	-	-	200	20

Elective 2: Plastering

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.	Apply plaster on internal & external surfaces of masonry & RCC structure	CON/N0111 & v 5.0	Core	4	4	30	60	30	-	120	30	70	-	-	100	20
Duration (in Hours) / Total Marks					4	30	60	30	-	120	30	70	-	-	100	20

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

Optional 1: VDF Flooring

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.	Carry out VDF (Vacuum dewatered floor) flooring	CON/N0148 & v 5.0	Core	4	2	15	30	15	-	60	30	70	-	-	100	10
Duration (in Hours) / Total Marks					2	15	30	15	-	60	30	70	-	-	100	10

Optional 2: Random Rubble Works

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	CON/N0113 & v 5.0	Core	4	2	15	30	15	-	60	30	70	-	-	100	10
Duration (in Hours) / Total Marks					2	15	30	15	-	60	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.)

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	Bricklaying, Plastering
		OR					
		Diploma	Civil Engineering	3	Site Execution (Civil Work)	1	Bricklaying, Plastering
		OR					
		ITI	Relevant Trade	6	Site Execution (Civil Work)	1	Bricklaying, Plastering
		OR					
		Graduation	in any Stream	6	Site Execution (Civil Work)	1	Bricklaying, Plastering
		OR					
		Ex-Army Graduate	in any Stream	6	Site Execution (Civil Work)	1	Bricklaying, Plastering

2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	<table border="1"> <tr> <th rowspan="2">Minimum Educational Qualification</th> <th rowspan="2">Specialization</th> <th colspan="2">Relevant Industry Experience</th> <th colspan="2">Preferable Training Experience</th> </tr> <tr> <th>Years</th> <th>Specialization</th> <th>Years</th> <th>Specialization</th> </tr> <tr> <td>B.E. / B.Tech</td> <td>Civil Engineering</td> <td>6</td> <td>Site Execution (Civil Work)</td> <td>1</td> <td>Bricklaying, Plastering</td> </tr> <tr> <td colspan="6">OR</td> </tr> <tr> <td>Diploma</td> <td>Civil Engineering</td> <td>8</td> <td>Site Execution (Civil Work)</td> <td>1</td> <td>Bricklaying, Plastering</td> </tr> <tr> <td colspan="6">OR</td> </tr> <tr> <td>ITI</td> <td>Relevant Trade</td> <td>10</td> <td>Site Execution (Civil Work)</td> <td>1</td> <td>Bricklaying, Plastering</td> </tr> <tr> <td colspan="6">OR</td> </tr> <tr> <td>Existing TOT certified Trainer in Skill Qualification</td> <td>Brick Mason</td> <td>2</td> <td>Site Execution (Civil Work)</td> <td>5</td> <td>Bricklaying, Plastering</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 (Civil Work)	1	Bricklaying, Plastering	OR						Diploma	Civil Engineering	8	Site Execution (Civil Work)	1	Bricklaying, Plastering	OR						ITI	Relevant Trade	10	Site Execution (Civil Work)	1	Bricklaying, Plastering	OR						Existing TOT certified Trainer in Skill Qualification	Brick Mason	2	Site Execution (Civil Work)	5	Bricklaying, Plastering
		Minimum Educational Qualification	Specialization	Relevant Industry Experience		Preferable Training Experience																																																					
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Existing TOT certified Trainer in Skill Qualification	Brick Mason	2	Site Execution (Civil Work)	5	Bricklaying, Plastering																																																						
3.	Tools and Equipment Required for Training	☒ Yes ☐ No (If "Yes", details to be provided in Annexure)																																																									
4.	In Case of Revised Qualification, Details of Any Upskilling Required for Trainer	NA																																																									

Section 4: Assessment Related

1.	Assessor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	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)	Minimum Educational Qualification	Specialization	Relevant Technical Experience	
				Years	Specialization
		Graduation	In Relevant Stream	1	-
		OR			
		Diploma	In Relevant Stream	2	-
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 (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)
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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: 4,500 and 3,150
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments (If “No”, why): No, Last Communication 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 (Mandatory)	Yes
2.	Annexure: List of tools and equipment relevant for qualification (Mandatory, except in case of online course)	Yes
3.	Annexure: Detailed Assessment Criteria (Mandatory)	Yes
4.	Annexure: Assessment Strategy (Mandatory)	Yes
5.	Annexure: Blended Learning (Mandatory, in case selected Mode of delivery is “Blended Learning”)	No
6.	Annexure: Multiple Entry-Exit Details (Mandatory, in case qualification has multiple Entry-Exit)	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

NSQC Approved

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 the layout for brick/block works • Process of carrying out brick laying work • Process of carrying out block laying work • Process of carrying out brick bat coba waterproofing • Process of carrying out IPS (Indian Patent Stone) flooring • Process of applying plaster on internal & external surfaces of masonry & RCC structure • Process of carrying out VDF (Vacuum dewatered floor) flooring • Process of building structures using random rubble masonry • Process of working effectively in a team to deliver desired results at the workplace. • Process of planning and organizing work to meet expected outcomes • Process of working according to personal health, safety and environment protocols at the construction site.	As detailed, the entire process followed by a Brick Mason is to mark the layout for brick/block works, and carry out brick laying work and block laying work, carry out brick bat coba waterproofing, Carry out IPS (Indian Patent Stone) flooring, Apply plaster on internal & external surfaces of masonry & RCC structure, carry out VDF (Vacuum dewatered floor) flooring, build structures using random rubble masonry As the work is routine and is repeated multiple times, the work becomes predictable. As the Brick 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.	4
Professional and Technical Skills/	• Know standard practices of masonry works	The knowledge required for a Brick Mason is factual, as it is specific and limited to the knowledge of standard practices of masonry works, layout sketches	4

Expertise/ Professional Knowledge	• Understand layout sketches for foundation, walls and other masonry units • Know the different types/grades of cement, aggregates and bricks including fly ash bricks and low water absorbing brick • Know how to select and use tools and equipment • Understand various techniques / procedures for cutting/chiseling/dressing different types of bricks to closure • Know how to lay and fix blocks in position • Know cement mix proportion and its importance • Understand various adhesives used in block work • Know the standard practices for waterproofing works • Know the procedure of laying brick bat coba waterproofing course • Know the standard practices for IPS flooring • Know how to provide adequate slope in PCC (Plain Cement Concrete) in a base course • Know the sequence of concrete pouring and placing • Know the standard practices for plastering works,	for foundation ,walls and other masonry units, different types/grades of cement, aggregates and bricks including fly ash bricks and low water absorbing brick, select and use tools and equipment, techniques / procedures for cutting/chiseling/dressing different types of bricks to closure, laying and fixing blocks in position, cement mix proportion and its importance, adhesives used in block work, standard practices for waterproofing, IPS flooring, plastering, VDF flooring and random rubble masonry works, procedure of laying brick bat coba waterproofing course, slope in PCC (Plain Cement Concrete) in a base course, sequence of concrete pouring and placing, vertical and horizontal alignment, methods and techniques for plastering internal and external masonry and RCC structures. Therefore, their knowledge is applicable to their field of work only.	
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	• Know how to determine vertical and horizontal alignment • Understand methods and techniques for plastering internal and external masonry and RCC structures • Know the standard practices for VDF flooring • Know the standard practices for random rubble masonry work		
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	• Select required tools for the task and ensure they are in working condition • Select appropriate Personal Protective Equipment (P.P.E.s) for the task • Identify and transfer required levels using appropriate tools • Select appropriate tools and equipment as per the tasks • Estimate the quantity of raw material required • Carry out various types of pointing works • Ensure masonry works as per required bond, alignment and plumb • Check visually the quality of blocks prior to use • Check vertical and horizontal alignment using appropriate tools	As indicated the skill set is required to select required tools for the task and ensure they are in working condition, select appropriate Personal Protective Equipment (P.P.E.s) for the task, identify and transfer required levels using appropriate tools, select appropriate tools and equipment as per the tasks estimate the quantity of raw material required, carry out various types of pointing works, ensure masonry works as per required bond, alignment and plumb, check visually the quality of blocks prior to use, check vertical and horizontal alignment using appropriate tools.	4
Broad Learning Outcomes/Core Skill	• Carry out the process to mark layout for brick/block works. • Carry out brick laying work.	The job holder is expected to mark layout for brick/block works; carry out brick laying work; construct various masonry structures using block; carry out the process of plastering on internal and	4

	• Carry out construction of various masonry structures using block • Carry out the process of plastering on internal and external surfaces of Masonry & RCC structures • Carry out the process of VDF flooring. • Carry out building structures using random rubble masonry	external surfaces of Masonry & RCC structures; carry out the process of VDF flooring; carry out building structures using random rubble masonry.	
Responsibility	The individual in this job role will be responsible for the below-mentioned activities: • Carry out preparatory work for layout marking • Mark the layout for brick/block work • Check material used for brickwork • Lay bricks for construction of load bearing / non-load bearing wall, columns and footings • Check the line, level and alignment • Carry out pointing in brick masonry • Perform specialized masonry works such as arches, staircase, manholes and walkways • Repair and restore brick masonry • Carry out brick bat coba waterproofing • Carry out preparatory work prior to IPS flooring • Check for line, level, and alignment • Check the materials used for IPS flooring in case of manual mixing • Check the materials used for IPS flooring in case of machine mixing • Carry out IPS flooring	A Brick Mason is required to perform routine masonry works, such as brickwork, block work, laying paver blocks, plastering, brick bat coba waterproofing, random rubble masonry and IPS/Tremix flooring, etc.	4

	• Carry out preparatory work before starting the plastering work • Check material used for plastering • Plaster internal & external masonry & RCC structures • Check for line, level & alignment • Carry out preparatory work prior to VDF flooring • Check for line, level and alignment. • Check the materials used for VDF flooring in case of manual mixing • Check the materials used for VDF flooring in case of machine mixing • Carry out VDF flooring • Carry out preparatory work for rubble masonry • Check the material used for random rubble masonry • Lay out coursed and un-coursed Random Rubble Masonry with undressed or hammer dressed stones • Carry out pointing in stone masonry • Lay out course of Dry Rubble Masonry • Check for line, level and alignment • Interact and communicate in an effective manner • Support co-workers to execute the project requirements • Practice inclusion • Plan and prepare for work • Organise required resources as per work plan • Complete work as per the plan		
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	- Follow safety norms as defined by the organization - Adopt healthy & safe work practices - Implement good housekeeping and environment protection process and activities - Follow infection control guidelines as per applicability		
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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	Specification	Quantity for Specified Batch Size
1	Hammer	Number	10
2	Brick Chisel	Number	10
3	Stone Chisel	Number	6
4	Comb Chisel	Number	6
5	Bolster Chisel	Number	6
6	Masonry Hand Saw	Number	10
7	Steel Trowel	Number	30
8	Float Wooden	Number	10
9	Float Metal	Number	10

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

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10	Straight Edge (Aluminium)	Number	10
11	Wood/Rubber Mallet	Number	10
12	Spade (Phawda)	Number	10
13	Mortar Pan (Ghamela)	Number	10
14	Corner Trowel	Number	10
15	Pointer Trowel	Number	10
16	Tuck Pointing Trowel	Number	10
17	Line and Pins	Number	30
18	Screed Board	Number	3
19	Jointers	Number	1
20	Steel Lever	Number	3
21	Line String (Line Dori)	Number	30
22	Try Square	Number	15
23	Spirit Level – 1 ft/3ft	Number	15
24	Measuring Tape- 5m	Number	30
25	Steel Or Wooden Scale	Number	10
26	Tapered Rule	Number	5
27	Gauge Box	Number	3

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

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

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28	Lifting , Appliances (Wheel And Rope, Shackles, Sling, Belts)	Number	1
29	Wheel Barrows	Number	5
30	Wooden Sleepers	Number	20
31	Rhombus Mesh	Number	5
32	Mixing Plat Form (3'x5')	Number	5
33	Red Oxide	Bags	2
34	Helmet	Number	30
35	Face Shield	Number	30
36	Safety Goggles	Number	30
37	Safety Shoes	Number	30
38	Safety Belt	Number	15
39	Ear Defenders	Number	30
40	Particle Masks	Number	30
41	Overalls	Number	30
42	Reflective Jackets	Number	30
43	Pencil	Number	30
44	Surface Vibrator	Number	1
45	Vacuum Dewatering Machine (VDF)	Number	1

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

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46	Groove Cutting Machine	Number	1
47	Cement	Bags	10
48	Sand	Cubic Feet	300
49	Common Burnt Clay Brick (2nd Class)	Number	1500
50	Coarse Aggregates	Cubic Feet	300
51	Rubble Stone (Natural Stone)	Cubic Feet	300
52	Fire Extinguisher	Number	2
53	Fire Prevention Kit	Set	3
54	First Aid Box	Number	2
55	Safety Tags	Number	5
56	Safety Notice Board / Safety Message Board	Number	5
57	Leather Hand Gloves	Number	30
58	Jump Suit	Number	30
59	Wire Brush	Number	15
60	Hand and Leg Guard Leather	Number	30
61	Flashback Arrestors	Number	10
62	Sand Buckets	Number	5

Classroom Aids

The aids required to conduct sessions in the classroom are:

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

Annexure: Industry Validations Summary

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

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)
1	Larsen and Toubro Ltd	J Raguraman	Head, CSTD	PB No 979, Mount Poonamallee Road, Manapakkam, Chennai, 600089	9943247482	jraguraman@Intecc.com	
2	National Academy of Construction	M Indra Kiran	Director	Near SS Convention Center, Labbipet, Vijayawada, Andhra Pradesh, PIN: 520010	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@iic.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@opjcraigarh.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	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.sandyk@gmail.com	
20	Know How Schools	Dipesh Bafna	Partner	Know How Schools LLP, C 601, Royal Casa, Ravet, Pune, 412101	9405266123	learn@knowhowschools.com	
21	L& T Skill Trainers Academy	DK Sharma	Principal - CSTI	Larsen & Toubro Ltd. Near Custom House, Versova Creek Madh Jetty, Madh, Mumbai, 400061	7660986699	deepaks@Intecc.com	
22	LK Engicons	Sameer	Owner	114, Bhawanpur, Meerut, UP, 250001	9808170639	sales@lkengicons.com	
23	Manpower Group Services India	Durgesh Begariya	Head Branch Operations	Unit-4 A/1 and A/2, 4th Floor, Plot No. 6, Uppal Plaza, Jasola, New Delhi	9824054165	durgesh.b@manpower.co.in	
24	Senryaku Management Private Limited	Udit Kumar	Consultant	UTC031, DLF The Ultima, Sector 81, Gurugram, HR 122004	9690909024	udit.kau@gmail.com	
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	

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

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

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

Annexure: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities
2025-26	1000	700	200	140	Subject to the requirement of the Industry	Subject to the requirement of the Industry
2026-27	1500	1050	300	210	Subject to the requirement of the Industry	Subject to the requirement of the Industry
2027-28	2000	1400	400	280	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
V 3.0	2022-23	264	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA
V 3.0	2023-24	681	1649	1645	1645	NA	NA	NA	NA	NA	NA	NA	NA
V 3.0	2024-25	1678	1189	962	962	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. PMKVY 4.0
2. VSE

Content availability for previous versions of qualifications:

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

Languages in which Content is available: English

Annexure: Blended Learning

Blended Learning Estimated Ratio & Recommended Tools:

Refer NCVET “Guidelines for Blended Learning for Vocational Education, Training & Skilling” available on:

<https://ncvet.gov.in/sites/default/files/Guidelines%20for%20Blended%20Learning%20for%20Vocational%20Education,%20Training%20&%20Skilling.pdf>

S. No.	Select the Components of the Qualification	List Recommended Tools – for all Selected Components	Offline : Online Ratio
1	☐ Theory/ Lectures - Imparting theoretical and conceptual knowledge		
2	☐ Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners		
3	☐ Showing Practical Demonstrations to the learners		
4	☐ Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training		
5	☐ Tutorials/ Assignments/ Drill/ Practice		
6	☐ Proctored Monitoring/ Assessment/ Evaluation/ Examinations		
7	☐ On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training		

Annexure: Detailed Assessment Criteria

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

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Mark the layout for brick/block works	<i>Carry out preparatory work for layout marking</i>	6	14		
	PC1. read and interpret the basic working drawings / sketches before the commencement of brick / block work				
	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 appropriate tools	24	56		
	<i>Mark the layout for brick/block work</i>				
	PC7. mark the centre 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. perform marking for acute angle, obtuse angle, splayed wall etc.				
	PC10. check the diagonals ensuring they are equal				
	Total Marks	30	70		

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out brick laying work	<i>Check material used for brickwork</i>	3	7		
	PC1. ensure tools are in working condition				
	PC2. check visually for the quality of bricks / blocks prior to use				
	PC3. ensure fine aggregate is sieved as per grade requirement				
	PC4. ensure bricks are soaked prior to use	9	21		
	<i>Lay bricks for construction of load bearing / non- load bearing wall, columns and footings</i>				
	PC5. select appropriate tools and equipment as per the tasks at requirement such as: different types of trowels (of the right blade size), masons hammer, blocking chisel, mashing hammer, jointers etc.				
	PC6. break bricks to required shape and size using appropriate tools				
	PC7. estimate the quantity of raw material required				
	PC8. lay and fix bricks as per required bond within tolerance limit using appropriate mortar as per applicability				
	PC9. check vertical and horizontal alignment using appropriate tools				
	PC10. maintain line and level of each course of brickwork using wooden / aluminium straight edge sections				
	PC11. set out 90° corners using builders square or 3-4-5 method and check right angle				
	PC12. ensure proper curing of constructed masonry structure				
	<i>Carry out pointing in brick masonry</i>				

	PC13. perform raking of joints as specified prior to drying of bonding mortar	3	7		
	PC14. ensure that joints are cleaned and surface is wet prior to pointing				
	PC15. ensure lime/cement mortar for pointing is prepared as per specification				
	PC16. fill joints with appropriate mortar to obtain specified type of pointing				
	PC17. carry out various types of pointing works as per specification using appropriate tools and technique				
	PC18. ensure proper curing of pointing				
	<i>Perform specialized masonry works such as arches, staircase, manholes, and walkways</i>	12	28		
	PC19. maintain set out of tread and riser of staircase as per drawing/instruction				
	PC20. ensure masonry works as per required bond, alignment and plumb				
	PC21. maintain bricks for manholes as per required line & level and providing channels and benching				
	PC22. lay and fix paver blocks to designed pattern & finish the joints as specified				
	PC23. install anchors and ties for masonry arches				
	PC24. install arch masonry unit by laying and aligning as per specified bond				
	PC25. cut creepers around corners and full joints to obtain a flushed structure				
	PC26. ensure proper curing of constructed masonry structure				
	<i>Repair and restore brick masonry</i>				

	PC27. remove deteriorated elements from masonry structures using tools such as saws drills and chisels without causing damage to adjacent structure	3	7		
	PC28. reinstall bricks to match previous or existing work				
	PC29. perform proper pointing and raking of joint to obtain desired surface for exposed brick work				
	PC30. ensure proper bonding with old and new surface				
	Total Marks	30	70		

NOS/Module Name	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out block laying work	<i>Check material used for block work</i>	3	7		
	PC1. check visually the quality of blocks prior to use				
	PC2. ensure fine aggregate is sieved as per grade requirement				
	PC3. ensure blocks are soaked prior to use				
	<i>Lay block for construction of wall</i>	21	49		
	PC4. select appropriate tools and equipment as per the tasks at requirement such as: different types of trowels (of the right blade size), masons hammer, blocking chisel, mashing hammer, jointers etc.				
	PC5. estimate the quantity of raw material required				
	PC6. lay and fix blocks as per specification within tolerance limit using appropriate mortar as per applicability				
	PC7. lay and fix blocks with appropriate adhesives for thin joint masonry				

	PC8. maintain required level and specified slope for construction	6	14		
	PC9. check vertical and horizontal alignment using appropriate tools				
	PC10. maintain line and level of each course of brickwork using wooden / aluminum straight edge sections				
	PC11. set out 90° corners using builders square or 3-4-5 method and check right angle				
	<i>Repair and restore block masonry</i>	6	14		
	PC12. remove deteriorated elements from masonry structures using tools such as saw, drills and chisels without causing damage to adjacent structure				
	PC13. reinstall block to match previous or existing work				
	PC14. ensure proper bonding with old and new surface				
	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>				
	PC7. hand over the required material, tools, tackles, equipment and work fronts timely to interfacing teams	6	14		
	PC8. work together with co-workers in a synchronized manner				
	<i>Practice inclusion</i>				
	PC9. maintain cultural inclusivity at workplace				
	PC10. maintain disability friendly work practices	6	14		
	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
Plan and organize work to meet expected outcomes	<i>Plan and prepare for work</i>				
	PC1. identify the targets and timelines set by superiors				
	PC2. determine the work requirements corresponding to task(drawings/schedules/instructions/methodology), safety, tools and equipment prior to commencement of task	9	21		
	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	6	14		
	PC5. plan for waste collection and disposal prior to and after completion of work				
	<i>Organise required resources as per work plan</i>				
	PC6. arrange the required manpower prior to commencement of work	15	35		
	PC7. organize the required materials, tools and tackles required for the task				
	<i>Complete work as per the plan</i>				
	PC8. engage allocated manpower in an appropriate manner	15	35		
	PC9. employ correct tools, tackles and equipment for the desired work				
	PC10. provide guidance to the subordinates to obtain desired outcome				
	PC11. use resources in an optimum manner to avoid any unnecessary wastage				
	PC12. use tools, tackles and equipment carefully to avoid damage				
	PC13. ensure the work processes adopted are in line with the specified standards and instructions				
	PC14. complete the work with the allocated resources within specified time				

	PC15. clean and organise the workplace after completion of task				
	Total Marks	30	70		

NOS / Module Name	Assessment Criteria for Performance Criteria/Learning 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>	5	15		
	PC1. identify and report any hazards, risks or breaches in site safety to the appropriate authority				
	PC2. follow emergency and evacuation procedures in case of accidents, fires, natural calamities				
	PC3. follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable				
	PC4. follow all the protocols and safety techniques conveyed during safety awareness programs like Tool Box Talks, safety demonstrations and mock drills conducted at the site				
	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>				
	PC13. collect, segregate and deposit construction waste into appropriate containers based on their toxicity or hazardous nature	5	15		
	PC14. apply ergonomic principles wherever required				
	<i>Follow infection control guidelines as per applicability</i>				
	PC15. follow recommended personal hygiene, workplace hygiene and sanitization practices	5	5		
	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				
	Total Marks	30	70		

NOS / Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Employability Skills (30 Hours)	<i>Introduction to Employability Skills</i>	1	1		
	PC1. understand the significance of employability skills in meeting the job requirements				
	<i>Constitutional values – Citizenship</i>	1	1		
	PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices				
	<i>Becoming a Professional in the 21st Century</i>	1	3		
	PC3. explain 21st Century Skills such as Self- Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.				
	<i>Basic English Skills</i>	2	3		
	PC4. speak with others using some basic English phrases or sentences				
	<i>Communication Skills</i>	1	1		
	PC5. follow good manners while communicating with others				
	PC6. work with others in a team	1	1		
	<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	-	-

Elective NOS/s:**Elective 1: General**

NOS / Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out brick bat coba waterproofing	<i>Carry out brick bat coba waterproofing</i>	30	70		
	PC1. clean and wash the surface to be water proofed				
	PC2. ensure bricks are soaked overnight prior to laying a course				
	PC3. ensure all non-structural gaps are filled prior to laying brick bat course				
	PC4. identify and transfer required levels using appropriate tools				
	PC5. prepare a cement mortar of appropriate ratio adding waterproofing admixtures				
	PC6. apply and spread an even thickness of mortar on the surface				
	PC7. lay brick bat on the prepared mortar ensuring proper placement and uniform gaps between bricks				
	PC8. check horizontal and vertical alignment using appropriate tools				
	PC9. fill all gaps in brick bat using cement mortar				
	PC10. finish the top surface smooth with cement mortar prepared in specified proportion along with admixtures				
	PC11. mark and transfer required levels at a regular interval in order to maintain proper slope of finished surface in case of horizontal surface				
Total Marks		30	70		

NOS / Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out IPS (Indian Patent Stone) flooring	<i>Carry out preparatory work prior to IPS flooring</i>	3	7		
	PC1. inspect the work area prior to concreting, ensure leveling in case of any undulations observed on the surface prior to concreting				
	PC2. ensure surface is prepared appropriately and report any deviation in slope and alignment in PCC				
	PC3. report any gaps in formwork to avoid leakage				
	PC4. report any misalignment in formwork/reinforcement and ensure proper cover for reinforcement is provided	3	7		
	<i>Check for line, level and alignment</i>				
	PC5. mark reference level on the wall & transfer this marking to all floor locations using appropriate tools				
	PC6. mark flooring thickness level and provide dummy level dots at specified intervals for ensuring required slope	3	7		
	<i>Check the materials used for IPS flooring in case of manual mixing</i>				
	PC7. check the grade of cement prior to use in case of manual mixing				
	PC8. ensure fine aggregate is sieved as per grade requirement				
	PC9. check that concrete is mixed in appropriate proportion	3	7		
	<i>Check the materials used for IPS flooring in case of machine mixing</i>				
	PC10. check visually the concrete mix for usability and workability and notify superiors of the same				
	PC11. ensure specified concrete mix is used at allocated location				

	PC12. check that panels prepared are of specified size and type				
	<i>Carry out IPS flooring</i>				
	PC13. fix the glass, aluminum or brass strip in cement mortar with their tops at appropriate level and according to slope				
	PC14. ensure panels are made as per specified size				
	PC15. ensure concrete is poured in alternate panels/specified panels as per requirement				
	PC16. remove excess cement slurry and any marks on the surface				
	PC17. level the concrete surface with a straight edge and to the required finish with a wooden float / trowel	18	42		
	PC18. spread cement punning over the IPS concrete for smooth finish surface and allow it to soak into the concrete, as per requirement				
	PC19. provide construction joints and expansion joints as per requirement				
	PC20. carry out levelling of the poured concrete to the specified levels maintaining the required slope				
	PC21. ensure curing of the finished floor surface for the specified time				
	Total Marks	30	70		

Elective 2: Plastering

NOS / Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Apply plaster on internal & external surfaces of masonry & RCC structure	<i>Carry out preparatory work before starting the plastering work</i>	3	7		
	PC1. read sketches for plastering work				
	PC2. select correct materials, tools, tackles and equipment for plastering				
	PC3. ensure that surface receiving plaster is prepared appropriately				
	PC4. set layouts as per the specification prior to start of plastering work				
	PC5. produce appropriate levels and make any grooves or lines on the surface as instructed				
	<i>Check material used for plastering</i>	6	14		
	PC6. ensure sieving of fine aggregate as per grade requirement				
	PC7. check the quality of surface to be plastered				
	PC8. check for quality and consistency of cement mortar mix				
	<i>Plaster internal & external masonry & RCC structures</i>	18	42		
	PC9. ensure that the correct tools and equipment are selected for plastering work as per requirement				
	PC10. moisten surface sufficiently before starting of the plastering work				
	PC11. ensure that cement mortar is mixed in specified proportion including additives if any				
	PC12. apply cement slurry on receiving surface uniformly				

	PC13. apply the plastering mix of specified thickness on the surface	3	7		
	PC14. finish the surface by using correct tools as per the required finish				
	PC15. check for horizontal & vertical alignment during and after plastering				
	<i>Check for line, level & alignment</i>	3	7		
	PC16. check for vertical and horizontal alignment using appropriate tools				
	PC17. check for slope or maintain falls of the floor				
	PC18. check for right angle at corner if required				
Total Marks		30	70		

Option NOS/s:

Option 1: VDF Flooring

NOS / Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out VDF (Vacuum dewatered floor) flooring	<i>Carry out preparatory work prior to VDF flooring</i>	3	7		
	PC1. inspect the work area prior to concreting, ensure leveling in case of any undulations observed on the surface prior to concreting				
	PC2. ensure surface is prepared appropriately and report any deviation in slope and alignment in PCC				
	PC3. report any gaps in formwork to avoid leakage				
	PC4. report any misalignment in formwork/reinforcement and ensure proper cover for reinforcement is provided				
	<i>Check for line, level and alignment</i>	3	7		
	PC5. mark reference level on the wall & transfer this marking to all floor locations using appropriate tools				
	PC6. mark flooring thickness level and provide dummy level				

	dots at specified intervals for ensuring required slope				
	<i>Check the materials used for VDF flooring in case of manual mixing</i>				
	PC7. check the grade of cement prior to use in case of manual mixing	3	7		
	PC8. ensure fine aggregate is sieved as per grade requirement				
	PC9. check that concrete is mixed in appropriate proportion				
	<i>Check the materials used for VDF flooring in case of machine mixing</i>				
	PC10. check visually the concrete mix for usability and workability and notify superiors of the same	3	7		
	PC11. ensure specified concrete mix is used at allocated location				
	PC12. check that panels prepared are of specified size and type				
	<i>Carry out VDF Flooring work</i>				
	PC13. level the surface and lay stone soling / boulder soling layer	18	42		
	PC14. lay the floor with slope maintained in PCC work above the stone soling				
	PC15. remove excess water from the top layer of wet concrete without removing cement of sand particles through vacuum de-watering machine				
	PC16. ensure floater work within green concrete surface				
	PC17. carry out Tremix flooring in specified panel on RCC floors ensuring intactness of rebar and cover				
	PC18. cut grooves on concrete at specified intervals for construction joints				

	PC19. provide expansion joints as per requirement				
	PC20. carry out curing of finished concrete as per specifications				
	PC21. ensure finished levels have required slope				
	Total Marks	30	70		

Option 2: Random rubble works

NOS / Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Build structures using random rubble masonry	<i>Carry out preparatory work for Rubble Masonry</i>	3	7		
	PC1. ensure that the correct tools and tackles are selected for use in the rubble				
	PC2. estimate roughly the amount of materials required to complete a rubble masonry				
	PC3. ensure that the sub-base is prepared properly				
	PC4. ensure proper compaction of base prior to commencement of work				
	PC5. select the particular type of surface finish as per the site requirements				
	PC6. prepare the sides, edges, bed of stone to ensure proper bonding of stones				
	PC7. mix mortar for rubble masonry in specified ratio including dry & wet mix				
	PC8. identify and transfer required levels using appropriate tools prior to rubble				
	<i>Check the material used for random rubble masonry</i>	3	7		
	PC9. check for workability and proportion of cement mortar				
	PC10. check the quality of stones used in random rubble masonry				
	PC11. ensure proper soaking of stones prior to laying				

<i>Lay out coursed and un coursed Random Rubble Masonry with undressed or hammer dressed stones</i> PC12. work with both undressed and hammer dressed stones as per the requirement of the construction site PC13. lay stones to build wall of un-course random rubble or course random rubble as per instruction PC14. knock off all projecting corners of the laid stones with joints filled and flushed as per the requirements of the site for the un-course random rubble masonry PC15. use large stones at the corners and at jambs to increase the strength as per the un- course random rubble masonry requirements PC16. ensure proper curing of rubble masonry structure				
<i>Carry out 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 various types of pointing works as per specification using appropriate tools and technique PC22. ensure proper curing of pointing				
<i>Lay out course of Dry Rubble Masonry</i> PC23. lay and fix stones for construction of walls without use of mortar PC24. knock off all projecting corner <i>Check for line, level and alignment</i> PC25. mark and transfer required levels at a regular interval in order to maintain proper slope of finished surface in case of horizontal surface				

	PC26. check horizontal and vertical alignment using appropriate tools				
	Total Marks	30	70		

Annexure: Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the Candidate on the required competencies of the program.

1. Assessment system Overview:

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

