



QUALIFICATION FILE

Draughtsperson-Civil works

☒ Short Term Training (STT) ☐ Long Term Training (LTT) ☐ Apprenticeship

☒ Upskilling ☐ Dual/Flexi Qualification ☒ For ToT ☒ For ToA

☒ General ☐ Multi-skill (MS) ☐ Cross Sectoral (CS) ☐ Future Skills ☐ OEM

NCrF/NSQF Level: 4

Submitted By:

Construction Skill Development Council of India

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

Submitting Body Contact Details:

Name: Abhisek Prasad Mishra
Position in the Organization: Deputy Manager - Standards & Research
Address: Same as above
Tel number(s): 0124-4513915-18 Ext-23
E-mail address: abhisek@csdcindia.org

Table of Contents

Section 1: Basic Details	3
Section 2: Module Summary	6
NOS/s of Qualifications	6
Mandatory NOS/s.....	6
Elective NOS/s.....	8
Optional NOS/s.....	8
Assessment - Minimum Qualifying Percentage.....	9
Section 3: Training Related	10
Section 4: Assessment Related	11
Section 5: Evidence of the need for the Qualification	12
Section 6: Annexure & Supporting Documents Checklist	12
Annexure: Evidence of Level	13
Annexure: Tools and Equipment (Lab Set-Up)	16
Annexure: Industry Validations Summary	18
Annexure: Training & Employment Details.....	22
Annexure: Detailed Assessment Criteria	23
Annexure: Assessment Strategy.....	37
Annexure: Acronym and Glossary	40
Annexure: Career Progression.....	43

Section 1: Basic Details

1.	Qualification Name	Draughtsperson-Civil works													
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-03378-2024-V1.1-CSDCI, v3.0)	Qualification Name of existing/previous version: Draughtsperson-Civil works												
4.	a. OEM Name b. Qualification Name <i>(Wherever applicable)</i>	NA													
5.	National Qualification Register (NQR) Code &Version <i>(Will be issued after NSQC approval)</i>	QG-04-CO-03955-2025-V2-CSDCI & v 4.0	6. NCrF/NSQF Level: 4												
7.	Award (Certificate/Diploma/Advanced Diploma/ Any Other) <i>(Wherever applicable specify multiple entry/exits also & provide details in annexure)</i>	Certificate													
8.	Brief Description of the Qualification	A Draughtsperson-Civil Works is responsible for the preparation, correction, and documentation of all types of drawings prepared for construction and erection works, showing all relevant plans, sections, elevations, and details along with other requirements as applicable based on the type of drawing.													
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>12th grade pass</td> <td></td> </tr> <tr> <td>2.</td> <td>Completed 2nd year of 3-year diploma after 10th (in Civil Engineering)</td> <td></td> </tr> <tr> <td>3.</td> <td>Completed 2-year of diploma after 12th (in Civil Engineering)</td> <td></td> </tr> </tbody> </table>		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1.	12th grade pass		2.	Completed 2nd year of 3-year diploma after 10 th (in Civil Engineering)		3.	Completed 2-year of diploma after 12 th (in Civil Engineering)	
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.	Completed 2-year of diploma after 12 th (in Civil Engineering)														

		4.	11th grade pass	1-year relevant experience																			
		5.	10 th grade pass	2-year relevant experience																			
		b. Min. Job Entry Age: As per Govt. Norms																					
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	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 (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>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> (Refer Blended Learning Annexure for details)				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)	120	270	60		450																		
Online																							
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO-2015/3118.0200																					
15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	BIM Technician - Object Creation																					
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 draughting 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 draughting 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 draughting 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 Follow health and safety practices at work	
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools ☐ Yes ☒ No Colleges ☒ Yes ☐ No	
22.	Name and Contact Details of Submitting / Awarding Body SPOC (In case of CS or MS, provide details of both Lead AB & Supporting ABs)	Name: Abhisek Prasad Mishra Email: abhisek@csdcindia.org Contact No.: 0124-4513915-18 Ext-23 Website: www.csdcindia.org	
23.	On File Approval Date by NSQC: 07-05-2025	24. Validity Duration: 3 Years	25. Next Review Date: 30-04-2028

Section 2: Module Summary

NOS/s of Qualifications

(In exceptional cases these could be described as components)

Mandatory NOS/s:

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

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

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/NSQF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.	Carry out the initial setup and understand the requirement for preparation of drawings	CON/N1301 & v 4.0	Core	4	1	10	15	5	-	30	30	70	-	-	100	10
2.	Prepare 2-dimensional civil drawings using computer-aided design (CAD) system	CON/N1302 & v 4.0	Core	4	2	15	30	15	-	60	30	70	-	-	100	10
3.	Draw different types of scales and Orthographic projections on CAD	CON/N1303 & v 1.0	Core	4	2	10	40	10	-	60	30	70	-	-	100	10

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/NSQF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
4.	Draw different types of doors and windows on CAD	CON/N1304 & v 1.0	Core	4	2	15	35	10	-	60	30	70	-	-	100	10
5.	Draw different types of stair structures on CAD	CON/N1305 & v 1.0	Core	4	2	15	35	10	-	60	30	70	-	-	100	10
6.	Draw Isometric / Oblique / Perspective views of different solid / hollow / cut sections and 3D modelling concept	CON/N1306 & v 1.0	Core	4	2	10	40	10	-	60	30	70	-	-	100	10
7.	Follow health and safety practices at work	CON/N9004 & v 1.0	Core	4	1	10	20	-	-	30	30	70	-	-	100	10
8.	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	10
9.	Plan and organize work to meet expected outcomes	CON/N8002 & v 4.0	Non-Core	4	1	10	20	-	-	30	30	70	-	-	100	10

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/NSQF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
10.	Employability Skills (30 Hours)	DGT/VSQ/N0101 & v 1.0	Non-Core	2	1	30	-	-	-	30	20	30	-	-	50	10
Duration (in Hours) / Total Marks					15	120	270	60	-	450	290	660	-	-	950	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)
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

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

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	Drafting and Designing	1	Drafting and Designing
		OR					
		Diploma	Civil Engineering	3	Drafting and Designing	1	Drafting and Designing
		OR					
		ITI	Relevant Trade	6	Drafting and Designing	1	Drafting and Designing
		OR					
		Ex-Army Graduate	in any Stream	6	Drafting and Designing	1	Drafting and Designing
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Minimum Educational Qualification	Specialization	Relevant Industry Experience		Preferable Training Experience	
				Years	Specialization	Years	Specialization
		B.E. / B.Tech	Civil Engineering	6	Drafting and Designing	1	Drafting and Designing
		OR					
		Diploma	Civil Engineering	8	Drafting and Designing	1	Drafting and Designing
		OR					

		Existing TOT certified Trainer in Skill Qualification	Draughtsperson Civil Works	2	Drafting and Designing	5	Drafting and Designing
3.	Tools and Equipment Required for Training	☒ Yes ☐ No (If “Yes”, details to be provided in Annexure)					
4.	In Case of Revised Qualification, Details of Any Upskilling Required for Trainer	Not Applicable					

Section 4: Assessment Related

1.	Assessor’s Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	<table><tr><th rowspan="2">Minimum Educational Qualification</th><th rowspan="2">Specialization</th><th colspan="2">Relevant Industry Experience</th></tr><tr><th>Years</th><th>Specialization</th></tr><tr><td>B.E. / B.Tech</td><td>Civil Engineering</td><td>2</td><td>Drafting and Designing</td></tr><tr><td colspan="4">OR</td></tr><tr><td>Diploma</td><td>Civil Engineering</td><td>5</td><td>Drafting and Designing</td></tr></table>	Minimum Educational Qualification	Specialization	Relevant Industry Experience		Years	Specialization	B.E. / B.Tech	Civil Engineering	2	Drafting and Designing	OR				Diploma	Civil Engineering	5	Drafting and Designing
Minimum Educational Qualification	Specialization	Relevant Industry Experience																		
		Years	Specialization																	
B.E. / B.Tech	Civil Engineering	2	Drafting and Designing																	
OR																				
Diploma	Civil Engineering	5	Drafting and Designing																	
2.	Proctor’s Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	<table><tr><th rowspan="2">Minimum Educational Qualification</th><th rowspan="2">Specialization</th><th colspan="2">Relevant Technical Experience</th></tr><tr><th>Year s</th><th>Specialization</th></tr><tr><td>Graduation</td><td>In Relevant Stream</td><td>1</td><td>-</td></tr><tr><td colspan="4">OR</td></tr><tr><td>Diploma</td><td>In Relevant Stream</td><td>2</td><td>-</td></tr></table>	Minimum Educational Qualification	Specialization	Relevant Technical Experience		Year s	Specialization	Graduation	In Relevant Stream	1	-	OR				Diploma	In Relevant Stream	2	-
Minimum Educational Qualification	Specialization	Relevant Technical Experience																		
		Year s	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)	<table><tr><th rowspan="2">Minimum Educational Qualification</th><th rowspan="2">Specialization</th><th colspan="2">Relevant Industry Experience</th></tr><tr><th>Years</th><th>Specialization</th></tr><tr><td>B.E. / B.Tech</td><td>Civil Engineering</td><td>6</td><td>Drafting and Designing</td></tr><tr><td colspan="4">OR</td></tr><tr><td>Diploma</td><td>Civil Engineering</td><td>8</td><td>Drafting and Designing</td></tr></table>	Minimum Educational Qualification	Specialization	Relevant Industry Experience		Years	Specialization	B.E. / B.Tech	Civil Engineering	6	Drafting and Designing	OR				Diploma	Civil Engineering	8	Drafting and Designing
Minimum Educational Qualification	Specialization	Relevant Industry Experience																		
		Years	Specialization																	
B.E. / B.Tech	Civil Engineering	6	Drafting and Designing																	
OR																				
Diploma	Civil Engineering	8	Drafting and Designing																	

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: 32
5	Estimated nos. of persons to be trained and employed: 3,000 and 2,100
6	Evidence of Concurrence/Consultation with Line Ministry/State Departments: (If "No", why): No, Last Communication was on 09/04/2025

Section 6: Annexure & Supporting Documents Checklist

Specify Annexure Name / Supporting document file name

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

Annexure: Evidence of Level

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrF/NSQF level descriptor	NCrF/NSQF Level
Professional Theoretical Knowledge/Process	• Process of preparing 2-dimensional civil drawings using a computer-aided design (CAD) system. • 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 following health and safety practices at work.	As detailed, the entire process followed by a Draughtsperson-Civil works is to prepare 2-dimensional civil drawings using computer-aided design (CAD) system, work effectively in a team to deliver desired results at the workplace, plan and organize work to meet expected outcomes, follow health and safety practices at work. As the work is routine and is repeated multiple times, the work becomes predictable. As the Draughtsperson-Civil works are required to perform the task as per the required codes and standards following the method statement available for the task, they have a clear work situation.	4
Professional and Technical Skills/ Expertise/ Professional Knowledge	• Know standard practices for draughting works • Understand the operation of a computer and CAD software • Know the various Indian and International code of practice applicable to drawings • Know the different types of construction projects, their scope, types of drawings required in them • Understand the different symbols and terms used in civil drawings, fabrication	The knowledge required for a Draughtsperson-Civil works is factual, as it is specific and limited to the knowledge of standard practices for draughting works, operation of a computer and CAD software; Indian and International code of practice applicable to drawings; different types of construction projects, their scope, and types of drawings required in them; different symbols and terms used in civil drawings, fabrication drawings, landscaping, and layout drawings; concepts of civil engineering including general site operation; different types of plotters and printers and their operation; storing and maintenance of drawings.	4

	drawings, landscaping, and layout drawings • Understand the concepts of civil engineering including general site operation • Understand the different types of plotters and printers and their operation • Know the methods of storing and maintenance of drawings	Therefore, their knowledge is applicable to their field of work only.	
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	• Identify the provided drawing based on its type • Prepare rough sketches from the drawing requirements using standard source for technical information/specifications • Produce 2D CAD (Computer-Aided Design) drawings showing plans, sections, elevations, and different types of views utilizing drafting principles • Draw the required drawings as per standard practices using appropriate commands • Produce hard copies of the finished drawings in required numbers using printers and plotters and store them appropriately	As indicated the skill set is required to identify the provided drawing based on its type, prepare rough sketches from the drawing requirements using standard source for technical information/specifications, produce 2D CAD (Computer-Aided Design) drawings showing plans, sections, elevations, and different types of views utilizing drafting principles, draw the required drawings as per standard practices using appropriate commands, produce hard copies of the finished drawings in required numbers using printers and plotters and store them appropriately.	4
Broad Learning Outcomes/Core Skill	• Carry out preparation for the drawing based on its type. • Carry out preparation of two-dimensional civil drawings using a computer-aided design (CAD) system.	The job holder is expected to carry out preparation for the drawing based on its type, preparation of two-dimensional civil drawings using computer-aided design (CAD) system, and store and maintain the produced drawings	4

	● Store and maintain the produced drawings		
Responsibility	The individual in this job role will be responsible for the below-mentioned activities: ● Carry out preparatory works for drawings ● Prepare 2D drawings including topographical maps, contours, civil and structural drawings, architectural drawings, etc. ● Store and maintain the produced drawings ● 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 ● Maintain health and safety at work ● Follow workplace emergency procedures	A Draughtsperson-Civil Works is responsible for the preparation, correction, and documentation of all types of drawings prepared for construction and erection works, showing all relevant plans, sections, elevations, and details along with other requirements as applicable based on the type of drawing.	4

Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 30 Candidates

S. No.	Tool / Equipment Name	Units	Quantity for specified Batch size
1	Computers with following Specifications - Operating System: 64-bit Microsoft® Windows® 11 and Windows 10 version 1809 or above - Processor: Basic - 2.5–2.9 GHz processor (base) ARM Processors are not supported, Recommended - 3+ GHz processor (base), 4+ GHz (turbo) - Memory: Basic: 8 GB, Recommended - 32 GB - Display Resolution: Conventional Displays - 1920 x 1080 with True Color, High Resolution & 4K Displays - Resolutions up to 3840 x 2160 (with "Recommended" display card) - Display Card: Basic: 2 GB GPU with 29 GB/s Bandwidth and DirectX 11 compliant Recommended: 8 GB GPU with 106 GB/s Bandwidth and DirectX 12 compliant DirectX 12 with Feature Level 12 - Disk Space: 10.0 GB (suggested SSD) - Network: See Autodesk Network License Manager for Windows - Pointing Device: MS-Mouse compliant	Nos	30
2	AutoCAD Software (Version 2021 and above)	Nos	30
3	MS Office	Nos	30
4	PDF Reader	Nos	30
5	Printer or Plotter (For A4 / A3 / A2 / A1 Size Print)	Nos	1
6	UPS/Power Backup	Nos	30
7	Scientific Calculator	Nos	30

8	First Aid Kit	Nos	2
9	Dust Masks	Nos	30
10	Fire Extinguisher	Nos	2
11	Fire Prevention Kit	Nos	2
12	Stationary Kit	Nos	30

Classroom Aids

The aids required to conduct sessions in the classroom are:

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

Annexure: Industry Validations Summary

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

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile (if available)
1	Consulting Infra Engineers	Saurbh Balyani	Founder	Rohini-Delhi	8826909092	info.caddcrafter@gmail.com	
2	Solidstone Constructions	Pragadeeshwaran R J	Principal Designer & Chief Execution (Civil)	7/2 Perumal Nagar, No4 Veerapandi, CBE – 19	7904788630	solidstone.projects@gmail.com	
3	Poddar Infratech Pvt Ltd	Ms. Neha Devgan	Contracts Manager	202, Crowne Heights, Sector 10 , Rohini , New Delhi	8449521881	letters@poddarinfra.com	
4	Indian Institute of Infrastructure and Construction	Prof. (Dr.) B. Sunil Kumar	Director, IIC	Near Chavara Bridge, AMC, Puthanthura Post, Neendakara - 69L582, Kollam. Kerala	9895013924	director@iic.ac.in	
5	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	
6	Consulting Infra Engineers	Yash Gupta	Bridge Design Engineer	2199, Sector-2, Bahadurgarh, Haryana	8882074288	yg521998@gmail.com	
7	Gabnut Engineer & Consultants LLP	Bhupinder Singh	Sr. Design Engineer	Arya Samaj Rd, Neelpur, Rajpura, Punjab 140401	7009947727	bsrajput077@gmail.com	
8	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	

9	JK Cement Ltd	Ashish Singh	General Manager	Kamla Tower, Kanpur Nagar, UP, 208001	9468837057	ashish.singh1@jkcement.com	
10	National Academy of Construction	M Indra Kiran	Director	Near SS Convention Center, Labbipet, Vijayawada, Andhra Pradesh, PIN: 520010	984947 0249	nacaprtrainings@gmail.com	
11	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	linkedin.com/in/pragadeeshwaran-r-j-6baab7193
12	OP Jindal Community College	Om Prakash Verma	Principal	O P Jindal Industrial Park, Tumidih, Chhattisgarh 496107		omprakash.verma@opjccraigarh.edu.in	
13	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	
14	Route To Connect	Hrisikesh Kashyap	Founder	Bagharbari, Guwahati, Assam	8720905111	hrisi@rtsseven.in	
15	BIM Edge Private Limited	Subhendu Pattnaik	Director	VIM 485, 2nd Floor, Sailashree Vihar, Bhubaneswar, Odisha, 751021	7682847410	subhendu@bimedg.co.in	
16	Larsen and Toubro Ltd	J Raguraman	Head, CSTD	PB No 979, Mount Poonamallee Road, Manapakkam, Chennai, 600089	9943247482	jraguraman@Intecc.com	
17	IIT Guwahati	Sparsh Johari	Assistant Professor	North Guwahati, Assam – 781039	7827060976	sparshjohari@iitg.ac.in	
18	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	

19	AK Consulting	Nirman Jain	Technical Head	6th Cross Rd, 1st Stage, Kadugondanahalli, Bengaluru, Karnataka 560045	7042447336	nirmanjain777@gm ail.com	
20	Artificial Intelligence Technologies Ltd	Rohit Kumar Sharma	Sr. Developer	A-21 Kailash Colony, New Delhi – 110048	9927564461	rohit.sharma@aitun iversal.com	
21	Asirbadh Projects and Infrastructure Limited	Kunwar Jee	GM (Projects)	A.G. Office Road, Doanda, Ranchi-834002, Jharkhand.	7858801901	ahplmd@yahoo.co m	
22	Donge Project Management Consultants Pvt. Ltd.	Balkrishna Kulkarni	President	401, Imperial Heights, Akshar Chowk, OP Road, Vadodara	9819657656	balkrishna.kulkarni @dongrepmc.com	
23	Ephicity Lifescience Analytics	Rahul Kumar Kaushik	Sr. Manager	2nd Main Rd, Sarvobhogam Nagar, Arekere, Bengaluru, Karnataka 560076	8859885973	rahul.Kaushik@ephi cacy.com	
24	Freelance Architect (Individual Consultant)	Garvit Sharma	Architect	A-101 Radha Krishna Lane, Kaushambi, Ghaziabad, U.P	9971967901	grsharma97@gmail. com	
25	Institute of Management Technology	Sandeep Sharma	Chief Project Engineer & Senior Counsellor	Raj Nagar, Ghaziabad, UP, 201001	9810566031	sharma.sandyk@g mail.com	
26	Know How Schools	Dipesh Bafna	Partner	Know How Schools LLP, C 601, Royal Casa, Ravet, Pune, 412101	9405266123	learn@knowhowsc hools.com	
27	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.co m	
28	LK Engicons	Sameer	Owner	114, Bhawanpur, Meerut, UP, 250001	9808170639	sales@lkengicons.c om	

29	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	
30	Senryaku Management Private Limited	Udit Kumar	Consultant	UTC031, DLF The Ultima, Sector 81, Gurugram, HR 122004	9690909024	udit.kau@gmail.com	
31	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	
32	Sunbright Manpower Solutions Pvt. Ltd	Arun Kumar	Supervisor	Shop No. 3144, Main Road, Narasapura, Kolar Taluk, Bangalore, Karnataka, 563133	7338463588	bangalore@sunbrightgroup.com	

Annexure: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities
2025-26	500	350	100	70	Subject to the requirement of the Industry	Subject to the requirement of the Industry
2026-27	1,000	700	200	140	Subject to the requirement of the Industry	Subject to the requirement of the Industry
2027-28	1,500	1,050	300	210	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	487	103	100	100	NA	NA	NA	NA	NA	NA	NA	NA
v2.0	2023-24	58	782	766	766	NA	NA	NA	NA	NA	NA	NA	NA
v2.0	2024-25	453	108	96	96	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. DDUGKY

2. Fee Based
3. HPKVN
4. UPSDM
5. YuvaKeralam

Content availability for previous versions of qualifications:

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

Languages in which Content is available: English

Annexure: Detailed Assessment Criteria

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

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out the initial setup and understand the	<i>Carry out preparatory works for drawings</i>	30	70		
	PC1. identify the provided drawing based on its type (Civil/ architectural/ structural/ mechanical/ plumbing/ electrical)				

requirement for preparation of drawings	PC2. interpret the drawing requirements (type of projection, views), data and information received from the appropriate authorities/sources for drawing preparation/modification				
	PC3. prepare rough sketches from the drawing requirements using standard source for technical information/ specifications (Indian Standard codes)				
	PC4. estimate the time required to complete the drawing based upon the scope of work				
	PC5. ensure that the computer system has appropriate drawing software and other peripheral devices such as printer, plotter, scanner, etc., which are properly connected and are in safe working conditions				
	PC6. customize the drawing software and adjust the page size, measurement unit/ system, scale, and plot area before starting the work				
	PC7.set the drawing parameters like, color, layer, line type, line weight, text font etc.				
	PC8. prepare the title block for the drawing covering specifications required by the client or mentioned in the IS code				
	Total Marks	30	70		
Prepare 2-dimensional civil drawings using computer-aided design (CAD) system	<i>Prepare 2D drawings including topographical maps, contours, civil and structural drawings, architectural drawings etc.</i>	20	40		
	PC1. carry out necessary calculations to compute dimensions of various components/ parts of the drawings				

	PC2. produce 2D CAD (Computer-Aided Design) drawings showing plans, sections, elevations, and different types of views utilizing drafting principles				
	PC3. produce topographical maps, contours, civil and structural drawings, architectural drawings as per requirement				
	PC4. draw the required drawings as per standard practices using appropriate commands				
	PC5. draw civil structures/ assemblies to highlight critical features in accordance with specifications/requirements				
	PC6. create tables/ legend to denote the name, dimensions, perimeter, and area of various parts or components of drawings as per client requirement				
	PC7. add specifications/ grid system to the drawings as per the requirements of the designer or architect				
	PC8. provide details in the drawings as per the requirement using relevant and appropriate symbols				
	PC9. ensure that the drawings conform to compliance with the supplied design parameters				
	PC10. obtain approval for the prepared drawing from the concerned authorities as per standard procedures and correct errors if any				
	<i>Store and maintain the produced drawings</i>				
	PC11. save the drawings in an appropriate storage medium	10	30		
	PC12. prepare documentation for completion of work and its approval as per applicable organisational norms				

	PC13. produce hard copies of the finished drawings in required numbers using printers and plotters and store them appropriately				
	Total Marks	30	70		
Draw different types of scales and Orthographic projections on CAD	<i>Construct plain scale, comparative scale, diagonal scale and Vernier scale on CAD</i>	15	35		
	PC1. read and interpret the drawing requirements				
	PC 2. draw different types of scales (Scale Up, Scale Down, Full Size Scale etc.)				
	PC 3. identify R.F of the scale and calculate the length of scale on drawing				
	PC 4. construct plain scales, comparative scales, diagonal scales and Vernier scales, mark the distance on the scale.				
	PC 5. check the drawings to confirm their correctness				
	<i>Draw Orthographic projection of different objects with proper lines, lettering and dimensioning</i>	15	35		
	PC 6. read and interpret the drawing requirements				
	PC 7. carry out necessary calculations to compute dimensions of various components/ parts of drawings				
	PC 8. develop view in orthographic projection by placing object between horizontal and vertical plane of axes				
	PC 9. create side view of blocks in different inclination on VP and HP by auxiliary vertical plane				

	PC 10. write name of the drawing on heading at centre alignment,				
	PC 11. write individual title for every projection drawing				
	PC 12. construct drawing views, construction lines and dimension lines as per standard				
	PC 13. check the drawings to confirm their compliance with the supplied design / object				
	Total Marks	30	70	-	-
Draw different types of doors and windows on CAD	<i>Draw different types of doors and windows according to manner of construction, Arrangement of component and working operation</i>	30	70		
	PC 1. read and interpret the drawing requirements such as rough sketches, specifications, drawing brief, RFD etc.				
	PC 2. carry out necessary calculations to compute dimensions of various components/ parts of drawings				
	PC 3. draw ledged and battened door				
	PC 4. draw panelled door and panelled and glazed door				
	PC 5. draw different types of fixtures and fastenings				
	PC 6. draw various types of doors such as flush doors, collapsible door, sliding door				
	PC 7. draw various types of windows such as panelled windows, metal windows, corner window, gable window, ventilators				
	PC 8. provide specifications and use codes and other references as per the drawing requirements				

	PC 9. check drawings to confirm their compliance with the required design				
	Total Marks	30	70	-	-
Draw different types of stair structures on CAD	<i>Draw vertical movement structures (Stair)</i>	30	70		
	PC 1. read and interpret the drawing requirements such as rough sketches, specifications, drawing brief, RFD etc.				
	PC 2. carry out necessary calculations to compute dimensions of various components/ parts of drawings				
	PC 3. draw straight stair				
	PC 4. draw quarter turn newel stair				
	PC 5. draw bifurcated stair				
	PC 6. draw quarter turn and geometrical stair				
	PC 7. draw half turn and R.C.C dog legged stair				
	PC 8. draw the R.C.C open well stair				
	PC 9. draw three quarter turn stairs				
	PC 10. draw spiral stairs				
	PC 11. add symbols and specifications and use codes and other references as per the drawing requirements				
	PC 12. check drawings to confirm their compliance with the required design				

	Total Marks	30	70	-	-
Draw Isometric / Oblique / Perspective views of different solid / hollow / cut sections and 3D modelling concept	<i>Draw Isometric / Oblique / Perspective views of different solid / hollow / cut sections with proper lines, lettering and dimensioning</i>	15	35		
	PC 1. read and interpret the drawing requirements.				
	PC 2. carry out necessary calculations to compute dimensions of various components/ parts of drawings.				
	PC 3. construct an Isometric scale to a given length. draw the isometric projection of regular solids				
	PC 4. draw the isometric views for the given solids with hollow and cut sections				
	PC 5. draw the given objects/component in perspective view by Vanishing point method Single point perspective Two-point perspective/Angular perspective visual ray method/multi-view method				
	PC 6. create tables/ legend to denote the name, dimensions, perimeter, and area of various parts or components of drawings as per client requirement				
	PC 7. check the drawings to confirm their compliance with the supplied design / object.				
	<i>Create objects on 3D modelling concept in CAD</i>	15	35		

	PC 8. start up the software and adjust the page size, measurement unit, scale and plot area before starting the work.				
	PC 9. explain 3D modelling concept in CAD.				
	PC 10. demonstrate 3D coordinate systems to aid in the construction of 3D objects				
	PC 11. create and use model space viewports.				
	PC 12. create a standard engineering layout.				
	PC 13. create and edit wireframe model.				
	PC 14. create and edit solid mesh and surface modelling.				
	PC 15. create and edit simple 2D regions and 3D solid models.				
	PC 16. generate 3D text and dimensions using a variety of 3D display techniques.				
	PC 17. render a 3D model with a variety of lights and materials.				
	PC 18. plot the drawing with required scale.				
	PC 19. check drawings to confirm their compliance with the required design.				
	Total Marks	30	70	-	-
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	-	-
Plan and organize work to meet expected outcomes	<i>Plan and prepare for work</i>	9	21		
	PC1. identify the targets and timelines set by superiors				
	PC2. determine the work requirements corresponding to task(drawings/schedules/instructions/methodology), safety, tools and equipment prior to commencement of task				

	PC3. plan the work by analyzing the required outcomes, work procedures, allotted time, resource availability and known priorities				
	PC4. prepare the work areas in coordination with team members				
	PC5. plan for waste collection and disposal prior to and after completion of work				
	<i>Organise required resources as per work plan</i>	6	14		
	PC6. arrange the required manpower prior to commencement of work				
	PC7. organize the required materials, tools and tackles required for the task				
	<i>Complete work as per the plan</i>	15	35		
	PC8. engage allocated manpower in an appropriate manner				
	PC9. employ correct tools, tackles and equipment for the desired work				
	PC10. provide guidance to the subordinates to obtain desired outcome				
	PC11. use resources in an optimum manner to avoid any unnecessary wastage				
	PC12. use tools, tackles and equipment carefully to avoid damage				
	PC13. ensure the work processes adopted are in line with the specified standards and instructions				
	PC14. complete the work with the allocated resources within specified time				

	PC15. clean and organise the workplace after completion of task				
	Total Marks	30	70	-	-
Follow health and safety practices at work	<i>Maintain health and safety at work</i>	15	35		
	PC1. select and use the appropriate Personal Protective Equipment (PPE) according to the nature of work				
	PC2. follow the appropriate practices to ensure personal hygiene, e.g. use of soap and sanitizer to maintain hand hygiene				
	PC3. follow the recommended safety practices to avoid physical harm, e.g. maintaining the appropriate body posture while lifting heavy items				
	PC4. assist in identifying and mitigating potential hazards at the workplace, e.g. fire hazards or the spread of infectious diseases				
	PC5. follow the applicable regulations in the handling, recycling and disposal of waste at the workplace				
	<i>Follow workplace emergency procedures</i>	15	35		
	PC6. prepare to deal with workplace emergencies by participating in regular safety drills				
	PC7. follow the recommended practices during workplace emergencies, e.g. exiting to the safe assembly area				
	PC8. coordinate with the firefighters and medical professionals during critical emergencies				
	PC9. use the appropriate fire extinguisher and other emergency equipment as per the manufacturer's instructions				

	PC10. assist in administering first aid to the injured or unwell personnel				
	PC11. assist in preparing the relevant reports by providing appropriate details to notify the relevant authority about workplace health and safety incidents				
	Total Marks	30	70	-	-
Employability Skills (30 Hours)	<i>Introduction to Employability Skills</i>				
	PC1. understand the significance of employability skills in meeting the job requirements	1	1		
	<i>Constitutional values – Citizenship</i>				
	PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	1	1		
	<i>Becoming a Professional in the 21st Century</i>				
	PC3. explain 21st Century Skills such as Self- Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	1	3		
	<i>Basic English Skills</i>				
	PC4. speak with others using some basic English phrases or sentences	2	3		
	<i>Communication Skills</i>				
	PC5. follow good manners while communicating with others	1	1		
	PC6. work with others in a team				
	<i>Diversity & Inclusion</i>	1	1		

	PC7. communicate and behave appropriately with all genders and PwD				
	PC8. report any issues related to sexual harassment				
	<i>Financial and Legal Literacy</i>				
	PC9. use various financial products and services safely and securely				
	PC10. calculate income, expenses, savings etc.	3	4		
	PC11. approach the concerned authorities for any exploitation as per legal rights and laws				
	<i>Essential Digital Skills</i>				
	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	2	2		
	PC17. identify customer needs and address them appropriately				
	PC18. follow appropriate hygiene and grooming standards				
	<i>Getting ready for apprenticeship & Jobs</i>	1	3		

	PC19. create a basic biodata				
	PC20. search for suitable jobs and apply				
	PC21. identify and register apprenticeship opportunities as per requirement				
	Total Marks	20	30	-	-

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 **Draughtsperson Civil Works** 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 **Draughtsperson Civil Works** 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

<i>Acronym</i>	
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
CAD	Computer-Aided Design
BIM	Building Information Modelling
BOQ	Bill of Quantities
DPC	Damp Proof Course
FSI	Floor Space Index
FAR	Floor Area Ratio
RL	Reduced Level
TBM	Temporary Benchmark
NGL	Natural Ground Level
LWL	Low Water Level
HFL	High Flood Level
PC	Point of Curve
TP	Turning Point
CG	Center of Gravity
RCC	Reinforced Cement Concrete
PCC	Plain Cement Concrete
TMT	Thermo-Mechanically Treated (Steel Bars)
MS	Mild Steel
SS	Stainless Steel
ACS	Asbestos Cement Sheet
BBS	Bar Bending Schedule
GA Drawing	General Arrangement Drawing
RC Drawing	Reinforced Concrete Drawing

ASD	Allowable Stress Design
WSD	Working Stress Design
LOI	Letter of Intent
NOC	No Objection Certificate
RFI	Request for Information
IS Code	Indian Standard Code
OHS	Occupational Health and Safety
ISO	International Organization for Standardization
NBC	National Building Code

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

