



QUALIFICATION FILE

Assistant Scaffolder - System

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

Upskilling Dual/Flexi Qualification For ToT For ToA

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

NCrF/NSQF Level: 3

Submitted By:

Construction Skill Development Council of India

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Submitting Body Contact Details:

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Section 1: Basic Details

1.	Qualification Name	Assistant Scaffolder - System		
2.	Sector/s	Construction		
3.	Type of Qualification: <input type="checkbox"/> New <input checked="" type="checkbox"/> Revised <input type="checkbox"/> Has Electives/Options <input type="checkbox"/> OEM	NQR Code & version of existing/previous qualification: (2019/CON/CSDCI/3288, v2.0)	Qualification Name of existing/previous version: Assistant Scaffolder - System	
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA		
5.	National Qualification Register (NQR) Code &Version (Will be issued after NSQC approval)	QG-03-CO-00795-2023-V2-CSDCI	6. NCrf/NSQF Level: 3	
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	An Assistant Scaffolder - System is responsible for assisting in erecting, dismantling, and maintaining different types of customized system scaffolds.		
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience:		
		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)
		1.	Grade 10	
		2.	8th grade pass	2-year relevant experience
		3.	5th grade pass	5-year relevant experience
		4.	Previous relevant Qualification of NSQF Level 2	3-year relevant experience
		5.	Previous relevant qualification of NSQF Level 2.5	1.5-year relevant experience

		b. Age: 18 years				
10. Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	11	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)	<input checked="" type="checkbox"/> Offline <input type="checkbox"/> Online <input type="checkbox"/> Blended					
	Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)
	Classroom (offline)	120	180	30		330
	Online					
	(Refer Blended Learning Annexure for details)					
14. Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO-2015/9313.9900					
15. Progression path after attaining the qualification (Please show Professional and Academic progression)	Vertical Progression- Scaffolder- System – Level 3.5 Horizontal Progression: Assistant Scaffolder- Conventional – Level 3.0					
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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No URLs of similar Qualifications:					
18. Is the Job Role Amenable to Persons with Disability	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If “Yes”, specify applicable type of Disability:					
19. How Participation of Women will be Encouraged	To encourage women to participate in Scaffolding 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 Scaffolding 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 Scaffolding 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>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CON/N9001	
21. Is Qualification Suitable to be Offered in Schools/Colleges	Schools <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Colleges <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: Neha Sharma Dave Email: neha@csdcindia.org Contact No.: 0124-4513915-18 Ext-22 Website: www.csdcindia.org	
23. Final Approval Date by NSQC: 31/08/2023	24. Validity Duration: 3 Years	25. Next Review Date: 31/08/2026

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 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.	Assist in erecting scaffold using pipe and coupler, and perform dismantling	CON/N0354 & V4.0	Core	3.0	4	40	80	-	-	120	30	60	-	10	100	50
2.	Assist in erecting and dismantling common customized system scaffold	CON/N0355 & V4.0	Core	3.0	4	40	50	30	-	120	30	60	-	10	100	35
3.	Work effectively in a team to deliver desired results at the workplace	CON/N8001 & V12.0	Non-Core	4.0	1	05	25	-	-	30	30	70	-	-	100	5
4.	Work according to personal health, safety and	CON/N9001 & V10.0	Non-Core	4.0	1	05	25	-	-	30	30	70	-	-	100	5

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)
	environment protocols at construction site															
5.	Employability Skills	DGT/VSQ/N01 01 & V1.0	Non-Core	2.0	1	30	-	-	-	30	20	30	-	-	50	5
Duration (in Hours) / Total Marks					11	120	180	30	-	330	140	290		20	450	

Assessment - Minimum Qualifying Percentage

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

Minimum Pass Percentage – Aggregate at qualification level: 50 % (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Minimum Pass Percentage – NOS/Module-wise: 50 % (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)	B. Tech in Civil/Mechanical/Electrical (1 Year) Diploma in Civil/Mechanical/Electrical (2 Years) ITI in Civil/Mechanical/Electrical (4 Years) General BA/BSc. / EX-Army/ 12 th in Civil/Mechanical/Electrical (4 Years)
2.	Master Trainer’s Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Graduate (Civil or Mechanical Engineering (8 years) Diploma in (Civil Engineering/ Mechanical Engineering/ Manufacturing/ Mathematics/ Physics degree (10 years) ITI in Civil/ Mechanical/Electrical (13 Years)
3.	Tools and Equipment Required for Training	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)	B. Tech in Civil/Mechanical/Electrical (2 Years) Diploma in Civil/Mechanical/Electrical (4 Years) ITI in Civil/Mechanical/Electrical (5 Years)
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2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	B. Tech in Civil/Mechanical/Electrical (2 Years) Diploma in Civil/Mechanical/Electrical (4 Years) ITI in Civil/Mechanical/Electrical (5 Years)
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Diploma in (Civil Engineering/ Mechanical Engineering/ Manufacturing/ Mathematics/ Physics degree) (10 years) Graduate (Civil Engineering/ Mechanical Engineering (8 years) ITI in Civil/ Mechanical/Electrical (13 Years) General BA/B.Sc/Ex-Army/12 th (13 Years)
4.	Assessment Mode (Specify the assessment mode)	Online and Offline
5.	Tools and Equipment Required for Assessment	<input checked="" type="checkbox"/> Same as for training <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (details to be provided in Annexure-if it is different for Assessment)

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

1.	Latest Skill Gap Study (not older than 2 years) (Yes/No): Yes
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No): No
3.	Government /Industry initiatives/ requirement (Yes/No): No
4.	Number of Industry validation provided: 18
5.	Estimated nos. of persons to be trained and employed: Approx. 5000 to 5500 employees over a period of 5 years
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: <i>Approved</i> If "No", why:

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>	Yes
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 1: 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	<ul style="list-style-type: none"> • Process of assisting in erecting scaffold using pipe and coupler, and performing dismantling. • Process of assisting in erecting and dismantling common customized system scaffold. • Process of working effectively in a team to deliver desired results at the workplace. • Process of work according to personal health, safety and environment protocols at the construction site. 	<p>As detailed, the entire process followed by Assistant Bar Bender and Steel Fixer is assisting in erecting scaffold using pipe and coupler, performing dismantling, assisting in erecting and dismantling common customized system scaffold, working effectively in a team to deliver desired results at the workplace, and working according to personal health, safety and environment protocols at the construction site.</p> <p>As the work is routine and is repeated multiple times, the work becomes predictable.</p> <p>As the Assistant Scaffolder - System is 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.</p>	3
Professional and Technical Skills/ Expertise/ Professional Knowledge	<ul style="list-style-type: none"> • Understand the safety regulations for handling and storing shuttering and scaffolding tools, materials and components. • Know the importance of personal protection and relevant safety gear and equipment. • Know units of measurement and the use of relevant measurement and marking tools. • Understand the use of hand tools for carrying out scaffolding works. 	<p>The knowledge required for Assistant Scaffolder - System is factual as it is specific and limited to the Knowledge of safety regulations for handling and storing shuttering and scaffolding tools, materials and components, the importance of personal protection and relevant safety gear and equipment, units of measurement and the use of relevant measurement and marking tools, hand tools for carrying out scaffolding works, various types of knots, checking for defects in bamboos/ ballis, erect and maintain scaffold using pipes and couplers, repair and maintenance of tools used in scaffolding work, use of slings, shackles, and belts for lifting and shifting scaffold materials, check</p>	3

	<ul style="list-style-type: none"> • Know how to tie various types of knots and their use. • Know how to check for defects in bamboos/ ballis. • Know how to erect and maintain scaffolds using pipes and couplers. • Know how to perform repair and maintenance of tools used in scaffolding work. • Know the use of slings, shackles, and belts for lifting and shifting scaffold materials. • Know how to check for verticality and alignment of the scaffold. • Know how to use different types of scaffolds. 	<p>for verticality and alignment of the scaffold, and different types of the scaffold.</p> <p>Therefore, their knowledge is applicable to their field of work only</p>	
<p>Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill</p>	<ul style="list-style-type: none"> • Select a swivel coupler, or right angle coupler (fixed coupler) based on the scaffold fixing requirements. • Select pipes based on nominal bore diameter and length and check for any bend in pipes. • Select, shift and stack the required quantity of materials. • Set up barricades in the work area, and fix guard rails and safety nets to ensure safety. • Select the appropriate components based on the type of scaffold. • Carry out maintenance of scaffold materials, such as cleaning and minor repair. 	<p>As indicated the skill set is required to select a swivel coupler, or right angle coupler (fixed coupler) based on the scaffold fixing requirements, select pipes based on nominal bore diameter and length and check for any bend in pipes, select, shift and stack required quantity of materials, set up barricades in the work area, and fix guard rails and safety nets to ensure safety, select the appropriate components based on the type of scaffold, and carry out maintenance of scaffold materials, such as cleaning and minor repair.</p>	<p>3</p>

<p>Broad Learning Outcomes/Core Skill</p>	<ul style="list-style-type: none"> • Preparing for erecting scaffold using pipe and coupler. • Process of erecting scaffold using pipe and coupler. • Ways to dismantle the scaffold. • Preparing for erecting commonly customized system scaffold. • Process of erecting the common customized system scaffold. • Dismantling the common customized system scaffold. • Work effectively within a team to achieve the desired results. • Work according to personal health, safety and environmental protocols at the construction site. 	<p>The job holder is expected to prepare for erecting a scaffold using pipe and coupler, the process of erecting a scaffold using pipe and coupler, ways to dismantle the scaffold, preparing for erecting commonly customized system scaffold, the process of erecting the common customized system scaffold, dismantling the common customized system scaffold, work effectively within a team to achieve the desired results, and work according to personal health, safety and environmental protocols at the construction site.</p>	<p>3</p>
<p>Responsibility</p>	<p>The individual in this job role will be responsible for the below-mentioned activities:</p> <ul style="list-style-type: none"> • Prepare for erecting scaffold using pipe and coupler • Erect scaffold using pipe and coupler • Dismantle the scaffold • Prepare for erecting commonly customized system scaffold • Erect the common customized system scaffold • Dismantle the common customized system scaffold • Interact and communicate in an effective manner Support co-workers to execute 	<p>An Assistant Scaffolder - System is responsible for assisting in erecting, dismantling, and maintaining different types of customized system scaffolds.</p>	<p>3</p>

	<p>the project requirements Practice inclusion</p> <ul style="list-style-type: none">• Follow safety norms as defined by 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 2: 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.	Podger Spanner	Number	10
2.	Ring Spanner	Set	6
3.	Open End Spanner	Set	6
4.	Claw Hammer	Number	10
5.	Mash Hammer	Number	10
6.	Vernier Calliper	Number	5
7.	Hack Saw Blade with Frame	Number	10
8.	Line String	Number	10
9.	Knife	Number	8
10.	Wheel Pulley	Number	2
11.	Drilling Machine	Number	3
12.	H Frame	Number	6
13.	Cross Bracings	Number	10
14.	Extension Pipe	Number	10
15.	Sole Board	Number	10
16.	Ms Pipe 50 mm Od, 4mm Thick	Number	10

17.	Swivel Coupler	Number	20
18.	Rigid Coupler	Number	20
19.	Putlog Coupler	Number	20
20.	Sleeve Coupler	Number	20
21.	Stairway Set (Including All Components)	Number	1
22.	Toe Board	Number	4
23.	Wooden Planks	Number	30
24.	Staircase Tower Scaffold with Components (As Per Manufacturer)	Number	1
25.	Mobile Tower Scaffold With Components (As Per Manufacturer)	Number	1
26.	Lifting Appliances (Wheel and Rope)	Number	1
27.	Wheel Barrows	Number	3
28.	Safety Net	Number	4
29.	Steel Scale	Number	10
30.	Try Square	Number	10
31.	Spirit Level	Number	6
32.	Plumb Bob	Number	6
33.	Measuring Tape	Number	15
34.	Safety Helmet	Number	30

35.	Face Shield	Number	10
36.	Safety Goggles	Number	30
37.	Safety Shoes	Number	30
38.	Safety Belt	Number	3
39.	Ear Defenders	Number	30
40.	Particle Masks	Number	30
41.	Knee Pad	Number	30
42.	Reflective Jackets	Number	30
43.	Pencil	Number	10
44.	Cotton Hand - Gloves	Number	30
45.	Tools Bag	Number	3
46.	Safety Message Boards	Number	5
47.	Fire Extinguishers	Number	3
48.	Sand Buckets	Number	4
49.	Ear Muff	Number	30
50.	Face Mask	Number	30
51.	Operator - Leather Apron	Number	2

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Training Kit (Trainer Guide, Presentations)

2. Whiteboard/ Blackboard
3. Marker
4. Projector
5. Working Model

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Annexure 3: 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	Samerka Consultants Pvt. Ltd.	Laxmikant B. Umarji	Director	Moreshwar Krupa Society, Babi Dhuri Marg, NCH Colony, Kanjurmarg East, Mumbai	9820087948	samerkacpl@gmail.com	https://www.linkedin.com/company/samerka-consultants-private-limited/about/
2	Project Management Consultant	Balkrishna R. Kulkarni	Associate Vice President	2nd Floor, Mufaddal Shopping Arcade, Ramchandra Bhatt Marg, Noorbaug, Mumbai	9819657656	Brkulkarni1@gmail.com	https://www.linkedin.com/in/balkrishna-kulkarni-a62721173/?original_referer=https%3A%2F%2Fwww%2Egoogle%2Ecom%2F&originalSubdomain=in

3	Know How Schools LLP	Dipesh Bafna	Partner	haramraj Chowk, DY Patil College Rd, Sector 29, Nigdi, Pimpri-Chinchwad	9405266123	lern@knowhowschools.com	https://www.linkedin.com/in/dipesh-bafna/
4	Shrikant Gajanan Mhatre - Consulting Engineer & Valuer	Shrikant Gajanan Mhatre	Consulting Engineer & Valuer	Raigad - Maharashtra. 402 107	9689728209	sshri1000@gmail.com	
5	AK Consulting	Nirman Jain	Technical Lead	Bangalore, Karnataka	7042447336	nirmanjain777@gmail.com	
6	Feedback Advisory	Mohit Sharma	Manager	Jasola District Center Delhi	8800091932	mohit@advisoryfeedback.com	https://www.linkedin.com/in/mohit-sharma-95223875/
7	Pipal Tree Ventures Pvt. Ltd.	S. Suresh Reddy P. Rajesh	Project Head – State Sr. Manager - Training	Goregaon East, Mumbai, Maharashtra	8247477793 9985282550	sraddey@pipaltreeventures.com prajesh@pipaltreeventures.com	
8	L&T Construction	DK Sharma	Principal - CSTI	TSIIC Green Industrial Park, Jadcherla, Mahabubnagag Telangana	7660986699	deepaks@Intecc.com	

9	Jawaharlal Nehru Architecture & Fine Arts	K. Chandrakanth	Asst. Professor	Masab Tank, Hyderabad, Telangana	9293163582	Kchandrakanth.fsp@jnafeu.ac.in	
10	Senryaku Consulting	Shiv Shankar Singh	Co-Founder	DLF Ultima, UTC031, Sector 81, Gurugram, Haryana, 122004	9560338881	shivs@senryakuconsulting.com	https://www.linkedin.com/in/shiv-shanker-s-393bb78/
11	Sattva Consulting	Vijay Yvcs	Principal-Corporate Advisory/Sustainability/ESG	8/581, Solitaire Park, Guru Hargovindji Rd, Chakala, Andheri East, Mumbai, Maharashtra	8886415165	Vijay.yvcs@sattva.co.in	https://www.linkedin.com/in/vijay-yvcs-838347b/?originalSubdomain=in
12	Feast	Ghanashyam Warke	VP-Business Development	510, Neelkanth Corporate Park, Vidyavihar West, Mumbai, Maharashtra	9664440843	sales@enggonline.com	https://www.linkedin.com/in/ghanashyam-warke-a44aa417/?originalSubdomain=in
13	My Home Group	MVT Satish Kumar	General Manager – Planning &	1-123, 8th Floor, 3rd Block, My Home Hub	9154292348	Satishkumar.mvt@myhomeconstructions.com	https://www.linkedin.com/in/satish-kumar-

			Developmen t	Madhapur, Hi-tech City Hyderabad			mvt/?origin alSubdomai n=in
14	Xpert Decors Pvt. Ltd.	V. Nageswara Rao	MD & CEO	Store No. 8,9,10, Prime Lotus, Hyderabad	9121214079	Nageshwar.xpert@gm ail.com	https://ww w.linkedin.c om/in/v- nageswara- rao- 3590425/?o riginalSubd omain=in
15	Freelance Architect (Individual Consultant)	Garvit Sharma	Architect	A-101 Radha Krishna Lane, Kaushambi, Ghz, U.P.	9971967901	grsharma97@gmail.co m	
16	L.K. Engicons	Sameer	Owner	Meerut, Uttar Pradesh	9808170639	sales@lkengicons.com	
17	Institute of Management Technology {IMT)	Sandeep Sharma	Chief Project Engineer & Senior Counsellor	Raj Nagar, Ghaziabad, Uttar Pradesh 201001	9810566031	sharma.sandyk@gmail .com	
18	Asirbadh Projects and Infrastructure Limited	Kunwar Jee	GM (Projects)	Ranchi, Jharkhand	7858801901	ahplmd@yahoo.com	

Annexure 4: 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
2024	1000	750	150	90		
2025	1000	750	200	140		
2026	1000	750	300	220		

Data to be provided year-wise for next 3 years

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

Qualification Version	Year	Total Candidates				Women				People with Disability			
		Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed
v2.0	2022-23	0	0	0									
v2.0	2021-22	55	55	55	55								
v2.0	2020-21	154	154	154	154								

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 2.0
2. PMKVY 3.0

Content availability for previous versions of qualifications:

Participant Handbook Facilitator Guide Digital Content Qualification Handbook Any Other:

Languages in which Content is available: English

Annexure 5: Detailed Assessment Criteria

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

Assessment Criteria

NOS Name	CON/N0354: Assist in erecting scaffold using pipe and coupler, and perform dismantling			
Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Prepare for erecting scaffold using pipe and coupler</i>	10	20	-	3
PC1.prepare the base by levelling and compacting the ground for the erection of scaffold as directed by the supervisor	-	-	-	-
PC2.select, shift and stack required quantity of materials, components at the work location as per the instructions	-	-	-	-
PC3.set up barricades in the work area and fix guard rails and safety nets to ensure safety	-	-	-	-
PC4.assist in marking, transferring levels from reference points using water level tube	-	-	-	-
PC5.check the condition of coupler, pipes and fixtures for any bend and deviation from shape and report to the supervisor	-	-	-	-
<i>Erect scaffold using pipe and coupler</i>	11	15	-	3
PC6.select swivel coupler, right angle coupler (fixed coupler) based on the scaffold fixing requirements and supervisor’s instructions	-	-	-	-
PC7.select pipes based on nominal bore diameter and length and check for any bend in pipes	-	-	-	-
PC8.erect scaffold using pipes and coupler in a sequential manner and provide necessary support using suitable components as per the instructions	-	-	-	-
PC9.fix the coupler and clamps tightly as per the instructions	-	-	-	-

PC10.assist in aligning and providing support to scaffold as per the instructions	-	-	-	-
PC11.assist in checking the verticality of scaffold	-	-	-	-
PC12.place and fix appropriate plank or walk board, guard rail, toe board and other accessories for working on scaffolding	-	-	-	-
<i>Dismantle the scaffold</i>	9	25	-	4
PC13.assist in dismantling scaffold and lowering scaffold materials in a sequential manner safely as per the given instructions	-	-	-	-
PC14.carry out maintenance of scaffold materials, such as cleaning and minor repairs, for further use	-	-	-	-
PC15.follow the applicable safety and housekeeping standards and procedures	-	-	-	-
NOS Total	30	60	-	10

NOS Name	CON/N0355: Assist in erecting and dismantling common customized system scaffold			
Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Prepare for erecting common customized system scaffold</i>	10	20	-	3
PC1.prepare the base by levelling and compacting the ground for the erection of scaffold as directed by the supervisor	-	-	-	-
PC2.select, shift and stack required quantity of materials and components at the work location as per the instructions	-	-	-	-
PC3.set up barricades in the work area, and fix guard rails and safety nets to ensure safety	-	-	-	-
PC4.assist in marking and transferring levels from reference points using water level tube	-	-	-	-

PC5.check the condition of scaffolding components before use and report the repair and maintenance needs to the supervisor	-	-	-	-
<i>Erect the common customized system scaffold</i>	11	15	-	3
PC6.select the appropriate components based on the type of scaffold	-	-	-	-
PC7.position the sole board/base plates on the ground as per the marking	-	-	-	-
PC8.set up the relevant fixtures and components as per selected system and supervisor’s instructions	-	-	-	-
PC9.erect scaffold in a sequential manner and provide necessary support as per the instructions	-	-	-	-
PC10.assist in shifting components from the lower to upper level using the appropriate lifting tools and equipment	-	-	-	-
PC11.assist in aligning and providing support to scaffold as per the given instructions	-	-	-	-
PC12.assist in checking the verticality of scaffold	-	-	-	-
PC13.set up appropriate plank board or walk boards, guard rail, toe board and other accessories for working platform on the scaffolding	-	-	-	-
<i>Dismantle the common customized system scaffold</i>	9	25	-	4
PC14.assist in dismantling scaffold and lowering scaffold materials in a sequential manner safely as per the given instructions	-	-	-	-
PC15.carry out maintenance of scaffold materials, such as cleaning and minor repair	-	-	-	-
PC16.follow the applicable safety and housekeeping standards and procedures	-	-	-	-
NOS Total	30	60	-	10

NOS Name	CON/N8001: Work effectively in a team to deliver desired results at the workplace			
Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<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 work place	-	-	-	-
PC10. maintain disability friendly work practices	-	-	-	-
PC11. follow gender neutral practices at workplace	-	-	-	-
PC12. address discriminatory and offensive behaviour in a professional manner as per organizational policy	-	-	-	-
NOS Total	30	70	-	-

NOS Name	CON/N9001: Work according to personal health, safety and environment protocols at construction site			
Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Follow safety norms as defined by the organization</i>	6	14	-	-
PC1. identify and report any hazards, risks or breaches in site safety to the appropriate authority	-	-	-	-
PC2. follow emergency and evacuation procedures in case of accidents, fires, natural calamities	-	-	-	-
PC3. follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable	-	-	-	-
PC4. follow all the protocols and safety techniques conveyed during safety awareness programs like Tool Box Talks, safety demonstrations and mock drills conducted at the site	-	-	-	-
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>	6	14	-	-
PC13. collect, segregate and deposit construction waste into appropriate containers based on their toxicity or hazardous nature	-	-	-	-
PC14. apply ergonomic principles wherever required	-	-	-	-
<i>Follow infection control guidelines as per applicability</i>	3	7	-	-
PC15. follow recommended personal hygiene, workplace hygiene and sanitization practices	-	-	-	-
PC16. clean and disinfect all materials, tools and supplies before and after use	-	-	-	-
PC17. report immediately to concerned authorities regarding signs and symptoms of illness of self and others	-	-	-	-
NOS Total	30	70	-	-

NOS Name	DGT/VSQ/N0101: Employability Skills (30 Hours)			
Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to Employability Skills</i>	1	1	-	-
PC1. understand the significance of employability skills in meeting the job requirements	-	-	-	-
<i>Constitutional values – Citizenship</i>	1	1	-	-
PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-

<i>Becoming a Professional in the 21st Century</i>	1	3	-	-
PC3. explain 21st Century Skills such as Self- Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	-	-	-	-
<i>Basic English Skills</i>	2	3	-	-
PC4. speak with others using some basic English phrases or sentences	-	-	-	-
<i>Communication Skills</i>	1	1	-	-
PC5. follow good manners while communicating with others	-	-	-	-
PC6. work with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	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>	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>	4	6	-	-
PC12. operate digital devices and use its features and applications securely and safely	-	-	-	-
PC13. use internet and social media platforms securely and safely	-	-	-	-
<i>Entrepreneurship</i>	3	5	-	-
PC14. identify and assess opportunities for potential business	-	-	-	-

PC15. identify sources for arranging money and associated financial and legal challenges	-	-	-	-
<i>Customer Service</i>	2	2	-	-
PC16. identify different types of customers	-	-	-	-
PC17. identify customer needs and address them appropriately	-	-	-	-
PC18. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship & Jobs</i>	1	3	-	-
PC19. create a basic biodata	-	-	-	-
PC20. search for suitable jobs and apply	-	-	-	-
PC21. identify and register apprenticeship opportunities as per requirement	-	-	-	-
NOS Total	20	30	-	-

Annexure 6: Assessment Strategy

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:

- Batches assigned to the assessment agencies for conducting the assessment on SIP
- The batch allocation Matrix prepared for each month based on previous months' performance of AAs, which determines the quantum of Assessment which can be allocated to each AA for a month
- Post allocation of assessment, Assessment agencies send the assessment confirmation to SSC
- Assessment agency deploys the ToA certified Assessor for executing the assessment
- SSC monitors the assessment process.

2. Testing Environment:

- A combination of Theory and practical/demonstration test is deployed to assess knowledge and Skill respectively of Learners.
- Assessment is conducted at Training center in in-person/offline mode
- For Skill assessment, environment is simulated to create a realistic Working Environment that should replicate the key features of the workplace. In job roles, where it is difficult to replicate the same, the OJT assessment is implemented.
- During the practical task, trainees are assessed on their workmanship, quality of finished product, time management, etc., based on the performance criteria (PC), knowledge and understanding and their professional and soft skills as specified in the qualification pack.
- Knowledge assessment is done through closed ended questions up to level 4 and from level 5 onwards, it is mixture of open ended and closed ended questions

3. Assessment Quality Assurance levels/Framework

- Assessment criteria is developed for each QP which acts as a guide for developing question set /banks
- Sample questions aligned with Assessment criteria for each QP are developed by SSC and validated by industry
- Taking reference of Assessment criteria and Sample Questions, AAs create the question bank which is further validated by SSC
- Questions are mapped to the specified assessment criteria
- It is mandatory that Assessor and Trainer must be ToA certified & ToT Certified respectively
- Continuous Monitoring through virtual and In-person mode are conducted to ensure the assessment is conducted as per stipulated process

- Process and Technical audit of assessment batches by quality team are conducted to avoid the errors in assessment process
- A well -defined comprehensive framework of NON-COMPLIANCE MATRIX is defined and implemented to identify the non-compliance made by assessor and AA and punitive actions are taken correspondingly.
- The capacity building sessions are conducted regularly for assessors and assessment agencies to update them about best practices in assessment

4. Types of evidence or evidence-gathering protocol:

- Post Assessment, the evidences are uploaded by Assessor to assessment agency and further assessment agency to SSC as per stipulated TAT
- Evidences are broadly the photographic and video graphic in nature
- Assessment agencies upload the evidence on SIP and detailed evidence on SSC digital platform (ZoHO)
- Evidences are; NOS wise-Geotagged photographs and videos of Theory Test & Practical Tasks, Attendance sheet, result summary sheet, group photographs.

5. Method of verification or validation:

- The process and technical audit of assessment batches are done by SSC
- Attendance of each candidate is verified and it is ensured that only those candidates are assessed by assessors who are meeting the stipulated minimum percentage of attendance
- The result of each candidate is verified, it is verified that that result on SIP are matching with respect to summary sheet submitted by AAs
- Under detailed technical audit for sample of batches, the knowledge and skill assessment results for each candidate is checked in technical aspect.
- All the evidences of batches are preserved on server of SSC digital platform

On the Job:

- On job training (OJT), candidates undergo training and leaning 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 7: Acronym and Glossary

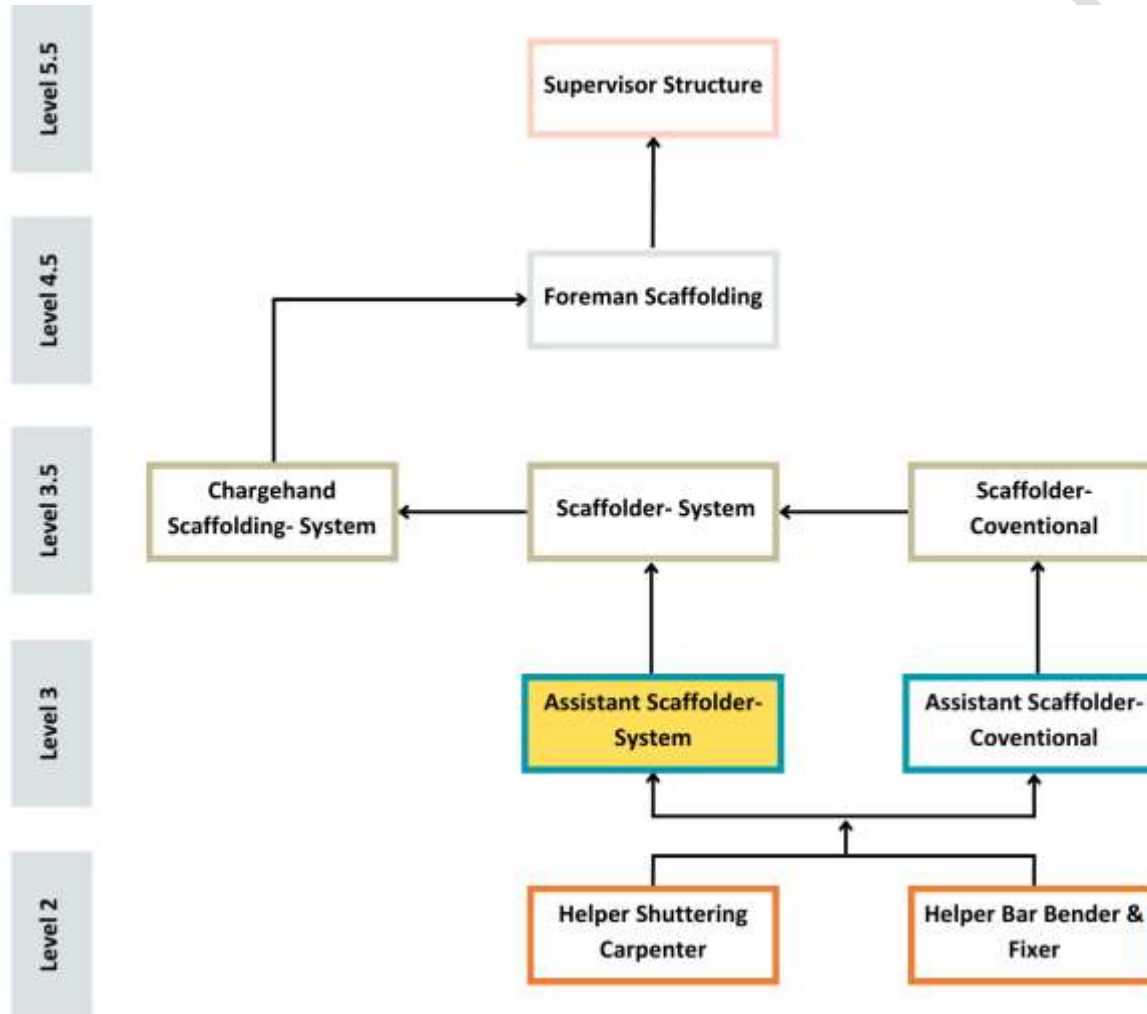
Acronym

Acronym	Description
AA	Assessment Agency
AB	Awarding Body
ISCO	International Standard Classification of Occupations
NCO	National Classification of Occupations
NCrF	National Credit Framework
NOS	National Occupational Standard(s)
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework
OJT	On the Job Training

Glossary

Term	Description
National Occupational Standards (NOS)	NOS define 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 8: Occupational Map



Annexure 9: Career Progression

