



## QUALIFICATION FILE

### BASIC SCAFFOLD INSPECTOR

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

Upskilling  Dual/Flexi Qualification  For ToT  For ToA

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

NCrF/NSQF Level: 4.5

Submitted By:

SAFETY SKILL DEVELOPMENT FOUNDATION

D-507, Light House, Town Square, Sector 82-A, Vatika Future India Next,

Gurugram -122004 (Haryana)

+91-1243634989

**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:	7
Optional NOS/s:	7
Assessment - Minimum Qualifying Percentage	7
Section 3: Training Related	7
Section 4: Assessment Related	8
Section 5: Evidence of the need for the Qualification	8
Section 6: Annexure & Supporting Documents Check List	9
Annexure: Evidence of Level	10
Annexure: Tools and Equipment (Lab Set-Up)	12
Annexure: Industry Validations Summary	14
Annexure: Training & Employment Details	17
Annexure: Detailed Assessment Criteria	18
Annexure: Assessment Strategy	23
Annexure: Acronym and Glossary	24

## Section 1: Basic Details

1.	<b>Qualification Name</b>	Basic Scaffold Inspector																			
2.	<b>Sector/s</b>	Construction, Infrastructure, Real estate, Iron & Steel, Mining & others																			
3.	<b>Type of Qualification:</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Revised <input type="checkbox"/> Has Electives/Options <input type="checkbox"/> OEM	<b>NQR Code &amp; version of existing/previous qualification:</b> <i>(change to previous, once approved)</i>	<b>Qualification Name of existing/previous version:</b>																		
4.	<b>a. OEM Name</b> <b>b. Qualification Name</b> <i>(Wherever applicable)</i>																				
5.	<b>National Qualification Register (NQR) Code &amp;Version</b> <i>(Will be issued after NSQC approval)</i>	QG-4.5-CO-00165-2023-V1-SSDF	<b>6. NCrf/NSQF Level:</b> 4.5																		
7	<b>Award</b> <b>(Certificate/Diploma/Advance Diploma/ Any Other</b> <i>(Wherever applicable specify multiple entry/exits also &amp; provide details in annexure)</i>	Certificate																			
8	<b>Brief Description of the Qualification</b>	Basic Scaffold Inspector is responsible for Inspection of Scaffolding and certify the compliances of scaffolding platform as per design, relevant specifications and ensure scaffolding safety for use of supported scaffolds up to a height of 20 meters. He is also responsible for advice on maintenance of documents, safe practices & compliances.																			
9	<b>Eligibility Criteria for Entry for Student/Trainee/Learner/Employee</b>	<b>a. Entry Qualification &amp; Relevant Experience:</b> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Completed 1st year of Under Graduation in relevant field.</td> <td>Nil</td> </tr> <tr> <td>2</td> <td>Completed 3-year diploma after 10th Grade in relevant field.</td> <td>Nil</td> </tr> <tr> <td>3</td> <td>Completed 1st year of 2-year diploma after 12th grade in relevant field.</td> <td>Nil</td> </tr> <tr> <td>4</td> <td>Pursuing 2nd years of 2-year diploma after 12th grade in relevant filed.</td> <td>Nil</td> </tr> <tr> <td>5</td> <td>Previous relevant Qualification of NSQF Level 4 in relevant field.</td> <td>1.5</td> </tr> </tbody> </table> <b>b. Age- 18 Years</b>		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	Completed 1st year of Under Graduation in relevant field.	Nil	2	Completed 3-year diploma after 10th Grade in relevant field.	Nil	3	Completed 1st year of 2-year diploma after 12th grade in relevant field.	Nil	4	Pursuing 2nd years of 2-year diploma after 12th grade in relevant filed.	Nil	5	Previous relevant Qualification of NSQF Level 4 in relevant field.	1.5
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)																			
1	Completed 1st year of Under Graduation in relevant field.	Nil																			
2	Completed 3-year diploma after 10th Grade in relevant field.	Nil																			
3	Completed 1st year of 2-year diploma after 12th grade in relevant field.	Nil																			
4	Pursuing 2nd years of 2-year diploma after 12th grade in relevant filed.	Nil																			
5	Previous relevant Qualification of NSQF Level 4 in relevant field.	1.5																			

10	<b>Credits Assigned to this Qualification, Subject to Assessment</b> (as per National Credit Framework (NCrF))	19	<b>11. Common Cost Norm Category (I/II/III)</b> (wherever applicable): I																					
12	<b>Any Licensing requirements for Undertaking Training on This Qualification</b> (wherever applicable)	No																						
13	<b>Training Duration by Modes of Training Delivery</b> (Specify <b>Total Duration</b> 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 <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><b>Classroom (offline)</b></td> <td>285</td> <td>195</td> <td>90</td> <td>0</td> <td>570</td> </tr> <tr> <td><b>Online</b></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)	<b>Classroom (offline)</b>	285	195	90	0	570	<b>Online</b>					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																			
<b>Classroom (offline)</b>	285	195	90	0	570																			
<b>Online</b>																								
14	<b>Aligned to NCO/ISCO Code/s</b> (if no code is available mention the same)	NCO-2015/2141.0100 ; Works Inspector, Engineering/Inspection Engineer																						
15	<b>Progression path after attaining the qualification</b> (Please show Professional and Academic progression)	Advance Scaffold Inspector, Scaffold Engineer, Scaffold manager																						
16	<b>Other Indian languages in which the Qualification &amp; Model Curriculum are being submitted</b>																							
17	<b>Is similar Qualification(s) available on NQR-if yes, justification for this qualification</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No URLs of similar Qualifications:																						
18	<b>Is the Job Role Amenable to Persons with Disability</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes," specify applicable type of Disability:																						
19	<b>How Participation of Women will be Encouraged</b>	Women will be encouraged to join.																						
20	<b>Are Greening/ Environment Sustainability Aspects Covered</b> (Specify the NOS/Module which covers it)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																						

21	<b>Is Qualification Suitable to be Offered in Schools/Colleges</b>	<b>Schools</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Colleges</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
22	<b>Name and Contact Details of Submitting / Awarding Body SPOC</b> <i>(In case of CS or MS, provide details of both Lead AB &amp; Supporting ABs)</i>	<b>Name:</b> Anand Kumar Singh <b>Email:</b> aksingh@ssdfindia.org <b>Contact No.:</b> +91-8505955506 <b>Website:</b> www.ssdfindia.org	
23	<b>Final Approval Date by NSQC:</b> 31-01-2023	<b>24. Validity Duration:</b> 3 Years	<b>25. Next Review Date:</b> 31-01-2026

NSQC Approved

## 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 Man.-Mandatory Training Rec.-Recommended Proj.-Project**

S N o	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.	Scaffoldings & Specifications	SSD/N0201 v 1.0	Core	4.5	4	60	40	20	0	120	50	50	-	-	100	21%
2.	Scaffold Drawings & Designs	SSD/N0203 v 1.0	Core	4.5	2	30	20	10	0	60	50	50	-	-	100	11%
3.	Safety, Inspection & Documentatio n	SSD/N0204 v 1.0	Core	4.5	4	60	30	30	0	120	50	50	-	-	100	21%
4.	International Practices & Designs in Scaffoldings	SSD/N0205 v 1.0	Core	4.5	3	45	25	20	0	90	50	50	-	-	100	16%
5.	Plan, Organise & Monitor	SSD/N0210 v 1.0	Non- Core	4.5	2	30	25	5	0	60	50	50	-	-	100	10%
6.	Work with Safety, Health & Environment	SSD/N0206 v 1.0	Non- Core	4.5	2	30	25	5	0	60	50	50	-	-	100	11%
7.	Employability Skills	DGT/VSQ/N01 02	Non- Core	-	2	30	30	-	-	60	25	25	-	-	50	10%
<b>Duration (in Hours) / Total Marks</b>				-	19	285	195	90	0	570	325	325	-	-	650	100%

## Elective NOS/s: No

S N o	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.	N/A															
Duration (in Hours) / Total Marks																

## Optional NOS/s: No

S. N o	NOS/Mo dule 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.	N/A															
Duration (in Hours) / Total Marks																

## 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: 35%** (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.	<b>Trainer's Qualification and experience in the relevant sector (in years)</b> (as per NCVET guidelines)	<p>M. Tech/ B. Tech in Civil or Mechanical Engineering with 3 years' experience</p> <p>Graduate in any discipline / Diploma in Engineering with 5 years' experience.</p> <p>ITI/12TH with 10 years' experience</p>
----	---	--

2.	<b>Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)</b>	M. Tech/ B. Tech in Civil or Mechanical Engineering with 5 years' experience Graduate in any discipline / Diploma in Engineering with 7 years' experience
3.	<b>Tools and Equipment Required for Training</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If "Yes," details to be provided in Annexure)
4.	<b>In Case of Revised Qualification, Details of Any Upskilling Required for Trainer</b>	Yes

## Section 4: Assessment Related

1.	<b>Assessor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)</b>	M. Tech/ B. Tech in Civil or Mechanical Engineering with 3 years' experience Graduate in any discipline / Diploma in Engineering with 5 years' experience. ITI/12TH with 10 years' experience
2.	<b>Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)</b>	M. Tech/ B. Tech in Civil or Mechanical Engineering with 1 years' experience Graduate in any discipline / Diploma in Engineering with 2 years' experience. ITI/12TH with 5 years' experience
3.	<b>Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)</b>	M. Tech/ B. Tech in Civil or Mechanical Engineering with 5 years' experience Graduate in any discipline / Diploma in Engineering with 7 years' experience
4.	<b>Assessment Mode (Specify the assessment mode)</b>	Offline
5.	<b>Tools and Equipment Required for Assessment</b>	<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.	<b>Latest Skill Gap Study (not older than 2 years) (Yes/No):</b> Yes
2.	<b>Latest Market Research Reports or any other source (not older than 2 years) (Yes/No):</b> Yes
3.	<b>Government /Industry initiatives/ requirement (Yes/No):</b> No
4.	<b>Number of Industry validation provided:</b> 25
5.	<b>Estimated nos. of persons to be trained and employed:</b> 31,000



6.	<b>Evidence of Concurrence/Consultation with Line Ministry/State Departments:</b> “No”
----	---

## Section 6: Annexure &amp; Supporting Documents Check List

Specify Annexure Name / Supporting document file name.

1.	<b>Annexure:</b> NCrf/NSQF level justification based on NCrf level/NSQF descriptors (Mandatory)	Yes
2.	<b>Annexure:</b> List of tools and equipment relevant for qualification (Mandatory, except in case of online course)	Yes
3.	<b>Annexure:</b> Detailed Assessment Criteria (Mandatory)	Yes
4.	<b>Annexure:</b> Assessment Strategy (Mandatory)	Yes
5.	<b>Annexure:</b> Blended Learning (Mandatory, in case selected Mode of delivery is “Blended Learning”)	No
6.	<b>Annexure:</b> Multiple Entry-Exit Details (Mandatory, in case qualification has multiple Entry-Exit)	Yes
7.	<b>Annexure:</b> Acronym and Glossary (Optional)	Yes
8.	<b>Supporting Document:</b> Model Curriculum (Mandatory – Public view)	Yes
9.	<b>Supporting Document:</b> Career Progression (Mandatory - Public view)	Yes
10.	<b>Supporting Document:</b> Occupational Map (Mandatory)	Yes
11.	<b>Supporting Document:</b> Assessment SOP (Mandatory)	Yes
12.	<b>Any other document you wish to submit:</b>	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
<b>Professional Theoretical Knowledge/Process</b>	The job holder requires a good understanding, experience, and technical skills to perform the task of Scaffold Inspection in accordance with the applicable standards, drawings, and procedures.	The job requires a well-developed skill with clear inspection process and familiar condition and standard uses.	4.5
<b>Professional and Technical Skills/ Expertise/ Professional Knowledge</b>	Job holder is required to inspect scaffolds for safety as per codes & standards, drawings, design, and details etc. The job holder should have exceptionally good factual & theoretical knowledge of scaffolding works, various steps involved, the requirement of various element to ensure safety of users of the scaffold.	The job holder should have exceptionally good factual & theoretical knowledge & principles of scaffolding works and various steps involved in inspection such as: <ul style="list-style-type: none"> <li>● Classification of scaffold systems</li> <li>● Types of scaffolds</li> <li>● Statutory and Legal requirements</li> <li>● Indian and basic international standards</li> <li>● Risk assessment and hazard identification to ensure safe use by users.</li> <li>● Planning and methodology</li> </ul>	4.5

<p><b>Employment Readiness &amp; Entrepreneurship Skills &amp; Mind-set/Professional Skill</b></p>	<p>The job holder is expected to have cognitive &amp; practical skills to inspect the scaffold, generate solutions to specific problems related to scaffolding and ability to ensure safety of the scaffold before it is used.</p>	<p>The outcomes expected from the job holder requires cognitive &amp; practical skills for inspection of the scaffold, to suggest solutions to specific problems. It is also needs to exhibit initiative-taking cooperation and collaboration with scaffold erection teams.</p> <ul style="list-style-type: none"> <li>● Effective communication, initiative, flexibility, and an ability to induce collaboration.</li> <li>● Exhibits integrity, interpersonal understanding, and self-confidence.</li> <li>● Utilizes a systematic approach to apply knowledge in initiative-taking guidance and problem solving.</li> <li>● Facilitate quality of work through timely communication and guidance.</li> </ul> <p>Suggest practical solutions to problems</p>	<p>4.5</p>
--	--	--	------------



<b>Broad Learning Outcomes/Core Skill</b>	The job holder is expected to calculate the loads and other details. He is also expected to have core skills to demonstrate teamwork, time management, effective guidance, and communication to ensure compliance to set standards and procedures.	The job holder is expected to have demonstrate;- <ul style="list-style-type: none"> <li>• Teamwork</li> <li>• Time management</li> <li>• Effective guidance and communication</li> <li>• Ensure compliance to standards.</li> <li>• Ensure process compliance.</li> </ul> Constructive feedback for improvement to all stake holders.	4.5
<b>Responsibility</b>	The Job holder conducts inspection and is solely responsible to ensure compliance of all applicable standards and procedures of scaffold inspection and the subordinates collaborating with him. He is also responsible for the subordinates under him and following activities:- <ul style="list-style-type: none"> <li>• Inspection records preparation &amp; submission.</li> <li>• Timely feedback and guidance.</li> </ul> Responsibility for continual learning and development of self.	The Job holder is solely responsible for his work in conducting of inspection. He needs to have adequate knowledge of the standard, safety measures and the codes & standards.	4.5

## Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment  
Batch Size: 30

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	Podge spanner	Nos	5
2	Ring spanner	Nos	5
3	Open-End Spanner	Nos	5
4	Claw hammer	Nos	5
5	Mash hammer	Nos	5
6	Vernier caliper	Nos	5
7	Hack saw blade with frame	Nos	5
8	Line string	Nos	5
9	Knife	Nos	5
10	Wheel pulley	Nos	2
11	Drilling machine	Nos	1
12	Adjustable screw jack base plate	Nos	4
13	Spigot with bolts and nuts		10
12	H-frame Scaffold	Nos	2
13	Cup Lock System Scaffold (vertical, ledger, transom)	Nos/set	2
14	Ring Lock system Scaffold	Nos/set	1
15	Cross bracings	Nos	8
16	Extension pipes	Nos	4
17	Sole boards	Nos	4
18	GI Pipe 48.3 mm OD, 4mm thick	Nos	8
19	Swivel coupler	Nos	16
20	Right angle coupler	Nos	16
21	Putlog coupler	Nos	16
22	Sleeve coupler	Nos	16
23	Stairway set (including all components)	Nos	1
24	Ladder 6.0 mt	Nos	1
25	Ladder 3.0 mt	Nos	1
26	Ladder clamps(Suitable to ladder)	Nos	4
27	Toe guard	Nos	4
28	Wooden planks	Nos	10
29	Staircase tower scaffold with components (as per manufacturer)	Nos	1

30	Mobile tower scaffold with components (as per manufacturer)	Nos	1
31	Lifting appliances (wheel and rope)	Nos	2
32	Wheelbarrows	Nos	1
33	Safety Net	Nos	1
34	Steel scale	Nos	5
35	Try square	Nos	5
36	Spirit level	Nos	10
37	Plumb bob	Nos	5
38	Measuring tape	Nos	10
39	Safety Helmet	Nos	30
40	Face shield	Nos	5
41	Safety goggles	Nos	10
42	Safety shoes	Nos	30
43	Safety belt	Nos	10
44	Safety Harness	Nos	5
45	Ear defenders	Nos	10
46	Particle masks	Nos	10
47	Knee pad	Nos	10
48	Reflective jackets	Nos	5
49	Pencil	Pkt	1
50	Cotton Hand - Gloves	Nos	10
51	Tools Bag	Nos	1
52	message boards	Nos	5
53	Fire Extinguishers	Nos	3
54	Sand buckets	Nos	3
55	Barricading tape	Nos/Roll	5

#### Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Blackboard
2. Marker
3. Projector
4. Working Models
5. Open yard for practical

## Annexure: Industry Validations Summary

Provide the summary information of all the industry validations in 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	Reliance Industries Limited	Ravi Ballabh	GM, S&OR-Const. Safety		9725007688	Ravi.ballabh@ril.com	
2	Ciria India Limited	Akash Nirvan	EHS Manager	C-116, 2 <sup>ND</sup> floor, sector-2, Noida-201301-Uttar Pradesh	8800377994	Akash.nirvan@morganplc	
3	Simplex Infrastructure Limited	N B Saxena	Construction Skills Consultant		9810646996	saxenanb@gmail.com	
4	IITG, Dept of Civil Engineering	Sparsh Johari	Assistant Professor	IIT Guwahati Campus	7827060976	<a href="mailto:sparshjohari@iitg.ac.in">sparshjohari@iitg.ac.in</a>	
5	Signify Innovation India Limited	Pradeep Singh Parhar	Manager Health & Safety	9 <sup>th</sup> floor, Building 9B, Dlf cyber city, Gurugram-Haryana	9814721820	Pradeep.parhar@signify.com	
6	ASK EHS	Harshit Parikh	Business Development Overseas (HSE Recruitment & Projects)	Surat, Gujarat	6359922897	harshitparikh@askehsmpc.com	
7	Young Man	Gaurav Ojha				gojha@youngman.co.in	
8	URC Construction (P) Ltd.	Kranthi Kumar C H	HSE Manager			Kranthikumar.c.h@urcc.co.in	

9	JSW	Veerendra Kumar	Safety Consultant			Veerendra.kumar@jsw.in	
10	Carrier India Limited	Md. Mukaram	Safety Head			md.mukaram@carrier.com	
11	BSDM	Yajuvendra singh	Project Manager	BSDM office, Patna- Bihar	9910036358	<a href="mailto:Singhyajuvendra99@yahoo.com">Singhyajuvendra99@yahoo.com</a>	
12	Techno culture Building Centre Pvt. Ltd.	Anurag Tiwari	Manager	417 & 419, 4 <sup>TH</sup> Floor, Ashiana towers, Exhibition Road, Patna- Bihar- 800001	9006506858	Vastu.skills@gmail.com	
13	Irrigation Department Government of UP	Manoj Kumar Arya	Junior Engineer	Aligarh, Uttar Pradesh	9412818118		
14	CPWD, MOHUA, Delhi	Bharat Singh Chauhan	Junior Engineer (Civil)	Subdivision 4/N, CPWD Shahjahan road, New Delhi	9919255951		
15	Kalpataru Group	Lalit Tiwari	President- EHS & Group chief sustainability officer			lalitkumar.tiwari@kalpataru.com	
16	Deepam contractor pvt ltd	R B Singh	Director	H-156 Beta 2, Greater Noida, UP- 203010	7503920973	deepamcontractor@gmail.com	
17	COWI India	Manish Kumar agrahari	Geotechnical Engineer	Udyog Vihar, Gurgaon- Haryana	7053239188		
18	Ask EHS engineering &	Mahesh Lanjekar S	Business Head	Surat, Gujarat	9227695202	Mahesh.lanjekar@askehsmpc.com	



	consultants pvt ltd						
19	Ignou, New Delhi Campus	Dr. M K Bharadwaj	Assistant Professor	Ignou, Midan garhi, New Delhi	9868263834	mbhardwaj@ignou.ac.in	
20	United Fire & Safety Services	Sandeep Mehta	Owner	GIDC, Industrial estate, makarpura, Vadodara-390010	6358827798	Usafe.fire@gmail.com	
21	L&T Limited	Manish Gupta	HSE Head	L&T Energy-Hydrocarbon (HSE), Hazira			
22	Reliance Industries Limited	Jayesh Chanda	Sr. Manager				
23	N.R., Indian Railways	Bishun Dayal Verma	SSE	Carriage workshop, Alam Bagh, Lucknow-Uttar Pradesh	8707481190		
24	OM shanti builder India pvt ltd	Shiva Soni	Director	37/1, civil lines, Jhansi- UP-284001	9415030156	shiva.soni.osbi@gmail.com	
25	ASAP, Kerela	Commander Vinon Shankar	Head	ASAP, Kerela	9645106020		

## Annexure: Training &amp; 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	1500	1500	500	500	-	-

2025	2500	2500	800	800		
2026	3500	3500	1000	1000		

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
N/A													

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:** This is a new qualification.

**Content availability for previous versions of qualifications:** This is a new qualification.

Participant Handbook  Facilitator Guide  Digital Content  Qualification Handbook  Any Other:

**Languages in which Content is available:** Hindi and 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
<b>SSD/N0201 v 1.0: Scaffoldings &amp; Specifications</b>	PC-1 Identification of several types of scaffoldings, their components.	8	7		
	PC-2 Determination of type of scaffold required as per site & load requirements.	5	5		
	PC-3 Identification of working & faulty components and defect in the components.	5	5		
	PC-4 Calculation of load on scaffold & optimum load.	5	5		
	PC-5 Calculation of design load for the scaffold.	5	5		
	PC-6 Working requirements of components, tie-offs, supports etc. of the scaffoldings as per design requirement.	7	8		
	PC-7 Identification of types of fall protection for the scaffoldings, tie-offs, supports and ladders	8	7		

	PC-8 Working out of fall protections required in the scaffold for various activities and effectiveness.	7	8		
	<b>NOS Total Marks</b>	<b>50</b>	<b>50</b>	-	-
<b>SSD/N0203 v 1.0: Scaffold Drawings &amp; Designs</b>	PC-1 Reading and understanding of scaffold drawings.	8	7		
	PC-2 Interpretations of scaffold drawings	5	5		
	PC-3 Aid in preparations of Scaffold drawings.	5	5		
	PC-4 Working out of design details of scaffolds as per Indian Standards for supported & mobile scaffoldings up to 20 meters height.	7	8		
	PC-5 Working out of design details of scaffold as per International Standards of OSHA & BS standards for supported & mobile scaffoldings up to 20 meters height.	5	5		
	PC-6 Checking of design details of scaffolds provided to him.	5	5		
	PC-7 Working out details of fall protections, design and fall protection measures.	8	7		
	PC-8 Working out details of ladder/temporary ladder requirements & design.	7	8		
	<b>NOS Total Marks</b>	<b>50</b>	<b>50</b>	-	-
<b>SSD/N0204 v 1.0: Safety, Inspection &amp; Documentation</b>	PC-1 Checking whether the scaffold is as per design & drawings.	7	8	-	-
	PC-2 Safety measures provided in scaffold preparation as per design & drawings.	8	7	-	-
	PC-3 Briefing & display for proper uses of scaffold to users.	5	5	-	-
	PC-4 Follow the step wise process of Inspection.	5	5	-	-

	PC-5 Checking each of inspection points of the scaffold.	5	5	-	-
	PC-6 Compliances of all inspection points & prepare inspection report.	8	7	-	-
	PC-7 Preparation & maintenance of documents as per inspection process.	7	8	-	-
	PC-8 Providing the inspection report to concerned official.	5	5	-	-
	<b>NOS Total Marks</b>	<b>50</b>	<b>50</b>	-	-
<b>SSD/N0205 v 1.0: International Practices &amp; Designs in Scaffoldings</b>	PC-1 Basic working of design details of scaffold as per following international codes & practices.  <ul style="list-style-type: none"> <li>● BS EN-12810/11/12, EN 74</li> <li>● NASC - TG20-13</li> <li>● SG4-10, SG6</li> </ul> OSHA, USA (29 CFR 1926.451)	10	10	-	-
	PC-2 International best practices followed in following countries/regions & industry standards.  <ul style="list-style-type: none"> <li>● UK /Europe</li> <li>● USA</li> <li>● Australia</li> </ul> Gulf Countries	8	7	-	-
	PC-3 Checking of design details of scaffold as per international design standards.	7	8	-	-
	PC-4 Read, understand, and interpret the international scaffold drawings.	8	7	-	-
	PC-5 Helping in preparations of Scaffold drawings as per international convention & practices.	5	5	-	-
	PC-6 Preparation & carry out inspection as per concerned codes & practices.	7	8	-	-
	PC-7 Preparation of documents as per practice in concerned region and reporting.	5	5	-	-
	<b>NOS Total Marks</b>	<b>50</b>	<b>50</b>	-	-

<b>SSD/N0210 v 1.0: Plan, Organize &amp; Monitor</b>	PC-1 Planning of resources, schedules, and timelines as per work timelines given by superiors.	8	7	-	-
	PC-2 Communicating to concerned co-workers & superiors.	5	5	-	-
	PC-3 Tasking to subordinates as per task & timelines.	5	5	-	-
	PC-4 Resource collection and provisioning.	5	5	-	-
	PC-5 Understanding hierarchy of the organization and communicating to concerned co-workers & superiors.	5	5	-	-
	PC-6 Briefing to subordinates about the schedule, sequence, timing & resources to subordinates.	5	5	-	-
	PC-7 Monitoring progress of work, management of resources, guidance to subordinates.	7	8	-	-
	PC-8 Reporting to superiors and keeping the other teams informed.	5	5	-	-
	PC-9 Documentations & compliances and report submission.	5	5	-	-
	<b>NOS Total Marks</b>	<b>50</b>	<b>50</b>	-	-
<b>SSD/N0206 v 1.0 : Work with Safety, Health &amp; Environment</b>	PC-1 Identification of risks & hazards and emergency protocols at work site.	5	5		
	PC-2. Emergency evacuations processes in case of accidents, fires, or emergencies.	5	5		
	PC-3 Use of personal protective Equipments by self & subordinates/co-workers.	5	5		
	PC-4 Storing & handling of tools, equipment & materials as per safety guidelines	3	2		
	PC-5 Identification of health hazards issues and area at work site.	3	3		
	PC-6 Ensuring of healthy and working area free from health hazards.	3	3		
	PC-7 Use of earmarked sanitation area & facilities.	3	3		
	PC-8 Ensuring good personal hygiene, sanitation habits, cleanliness, and safe disposal of wastes.	3	3		
	PC-9 Briefing subordinates on health, sanitation & cleanliness.	3	3		

	PC-10 Maintain healthy, easy, helping, and stress-free working environment among co-workers & subordinates.	2	3		
	PC-11 Taking measures & methods to minimize waste of materials.	5	5		
	PC-12 carrying waste & left-over materials as per protocol & in earmarked area for re-use & disposal	5	5		
	PC-13 Minimum use of non-disposable plastic material and proper disposal.	5	5		
	<b>NOS Total Marks</b>	<b>50</b>	<b>50</b>		
<b>DGT/VSQ/N0102: Employability Skills</b>	PC- 1 Identify employability skills required for jobs in various industries	0.5	0.5	-	-
	PC- 2 Identify and explore learning and employability portals	0.5	0.5	-	-
	PC- 3 Recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	0.5	0.5	-	-
	PC- 4 Follow environmentally sustainable practices	0.5	0.5	-	-
	PC- 5 Recognize the significance of 21st Century Skills for employment	1.5	1.5	-	-
	PC- 6 Practice the 21st Century Skills such as Self-Awareness, Behavior Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life	1.5	1.5	-	-
	PC- 7 Use basic English for everyday conversation in different contexts, in person and over the telephone	1	1	-	-
	PC- 8 Read and understand routine information, notes, instructions, mails, letters etc. written in English	1	1	-	-
	PC- 9 Write short messages, notes, letters, e-mails etc. in English	1	1	-	-
	PC- 10 Understand the difference between job and career	0.5	0.5	-	-
	PC- 11 Prepare a career development plan with short- and long-term goals, based on aptitude	1	1	-	-
	PC- 12 Follow verbal and non-verbal communication etiquette and active listening techniques in various settings	1	1	-	-
	PC- 13 Work collaboratively with others in a team	1	1	-	-
	PC- 14 Communicate and behave appropriately with all genders and PwD	0.5	0.5	-	-
	PC- 15 Escalate any issues related to sexual harassment at workplace according to POSH Act	0.5	0.5	-	-

PC- 16 Select financial institutions, products, and services as per requirement	0.5	0.5	-	-
PC- 17 Conduct offline and online financial transactions, safely and securely	1	1	-	-
PC- 18 Identify common components of salary and compute income, expenses, taxes, investments etc.	0.5	0.5	-	-
PC- 19 Identify relevant rights and laws and use legal aids to fight against legal exploitation	0.5	0.5	-	-
PC- 20 Operate digital devices and carry out basic internet operations securely and safely	1	1	-	-
PC- 21 Use e- mail and social media platforms and virtual collaboration tools to work effectively	2	2	-	-
PC- 22 Use basic features of word processor, spreadsheets, and presentations	1	1	-	-
PC- 23 Identify diverse types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	1	1	-	-
PC- 24 Develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	1	1	-	-
PC- 25 Identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	1	1	-	-
PC- 26 Identify diverse types of customers	0.5	0.5	-	-
PC- 27 Identify and respond to customer requests and needs in a professional manner.	0.5	0.5	-	-
PC- 28 Follow appropriate hygiene and grooming standards	0.5	0.5	-	-
PC- 29 Create a professional Curriculum vitae (Résumé)	-	0.5	-	-
PC- 30 Search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	0.5	-	-	-
PC- 31 Apply to identified job openings using offline /online methods as per requirement	0.5	0.5	-	-
PC- 32 Answer questions politely, with clarity and confidence, during recruitment and selection	0.5	-	-	-
PC- 33 Identify apprenticeship opportunities and register for it as per guidelines and requirement	-	0.5	-	-
<b>Total Marks</b>	<b>25</b>	<b>25</b>	-	-
<b>Grand Total</b>	<b>325</b>	<b>325</b>	-	-

### 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.

*Mention the detailed assessment strategy in the provided template.*

#### <1. Assessment System Overview:

- Batches are assigned to the assessment agencies for conducting the assessment on SIP/Portal or email.
- Assessment agencies send the assessment confirmation to VTP/TC looping Awarding Body(AB)
- Assessment agency deploys the ToA certified Assessor for executing the assessment.
- AB ensures the assessment process & records.

#### 2. Testing Environment:

- Check the assessment location, date, and time.
- Check that the allotted time to the candidates to complete Theory & Practical Assessment is correct.

#### 3. Assessment Quality Assurance levels/Framework:

- Question bank is created by the AA/Subject Matter Experts (SME) are verified by the other SME.
- Questions are mapped to the specified assessment criteria.
- Assessor will be ToA certified & trainer will be ToT Certified

#### 4. Types of evidence or evidence-gathering protocol:

- Time-stamped & geotagged reporting of the assessor from assessment location
- Centre photographs with signboards and scheme specific branding

#### 5. Method of verification or validation:

- Surprise visit to the assessment location.
- Method for assessment documentation, archiving, and access
- Soft/Hard copies of the documents are stored.

#### **On the Job:**

1. The candidate works for all modules.
2. The candidate must score 50% in assessment to successfully complete the OJT.
3. Tools of Assessment that will be used for assessing whether the candidate is having desired skills, understanding needs & requirements.
  - Report prepared by trainees during OJT.



4. Assessment of task ensure that the candidate can perform all tasks of the job role required:

- .....>

Annexure: Acronym and Glossary

Acronym

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

Glossary

Term	Description
<b>National Occupational Standards (NOS)</b>	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 do.
<b>Qualification</b>	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
<b>Qualification File</b>	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.
<b>Sector</b>	A grouping of professional activities based on their main economic function, product, service, or technology.
<b>Long Term Training</b>	Long-term skilling means any vocational training program undertaken for a year and above. <a href="https://ncvet.gov.in/sites/default/files/NCVET.pdf">https://ncvet.gov.in/sites/default/files/NCVET.pdf</a>

NSQC APP