



QUALIFICATION FILE

INSPECTOR (ADVANCE SCAFFOLD)

- Short Term Training (STT) Long Term Training (LTT) Apprenticeship
 Upskilling Dual/Flexi Qualification For ToT For ToA
 General Multi-skill (MS) Cross Sectoral (CS) Future Skills OEM

NCrF/NSQF Level: 5

Submitted By:

SAFETY SKILL DEVELOPMENT FOUNDATION

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NSQC Approved

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Section 1: Basic Details

1.	Qualification Name	INSPECTOR (ADVANCE SCAFFOLD)																
2.	Sector/s	Construction, Infrastructure, Real estate, Iron & Steel, Mining & others																
3.	Type of Qualification: <input checked="" type="checkbox"/> New <input type="checkbox"/> Revised <input type="checkbox"/> Has Electives/Options <input type="checkbox"/> OEM	NQR Code & version of existing/previous qualification: <i>(change to previous, once approved)</i>	Qualification Name of existing/previous version:															
4.	a. OEM Name b. Qualification Name <i>(Wherever applicable)</i>	INSPECTOR (ADVANCE SCAFFOLD)																
5.	National Qualification Register (NQR) Code &Version <i>(Will be issued after NSQC approval)</i>	QC-05-CO-02088-2024-V1-SSDF	6. NCrF/NSQF Level: 5															
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	Inspector (Advance Scaffold) is responsible for Inspection of Scaffolding and certify the compliances of scaffolding platform as per design, relevant specifications and ensure scaffolding safety for use for all scaffoldings including supported, mobile, cantilever, suspended scaffoldings. He/she is also responsible for advice on maintenance of documents, safe practices & compliances.																
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S. No.</th> <th style="width: 55%;">Academic/Skill Qualification (with Specialization - if applicable)</th> <th style="width: 35%;">Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Completed UG with science in relevant field</td> <td>3</td> </tr> <tr> <td>2</td> <td>Completed 3-year diploma after 10th in relevant field</td> <td>4.5</td> </tr> <tr> <td>3</td> <td>Complete 2-year NTC after 10th in relevant field</td> <td>5.5</td> </tr> <tr> <td>4</td> <td>Previous relevant qualification of NSQF level 4.5</td> <td>1.5</td> </tr> </tbody> </table> b. Age- 18 Years		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	Completed UG with science in relevant field	3	2	Completed 3-year diploma after 10 th in relevant field	4.5	3	Complete 2-year NTC after 10 th in relevant field	5.5	4	Previous relevant qualification of NSQF level 4.5	1.5
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)																
1	Completed UG with science in relevant field	3																
2	Completed 3-year diploma after 10 th in relevant field	4.5																
3	Complete 2-year NTC after 10 th in relevant field	5.5																
4	Previous relevant qualification of NSQF level 4.5	1.5																

10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	22	11. Common Cost Norm Category (I/II/III) (wherever applicable): I																				
12.	Any Licensing requirements for Undertaking Training on This Qualification (wherever applicable)	No																					
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 <table border="1" data-bbox="920 339 2022 552"> <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>330</td> <td>240</td> <td>90</td> <td>-</td> <td>660</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)	330	240	90	-	660	Online	-	-	-	-	-
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																		
Classroom (offline)	330	240	90	-	660																		
Online	-	-	-	-	-																		
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO-2015/2141.0100 ; Works Inspector, Engineering/Inspection Engineer																					
15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	VERTICAL PROGRESSION- Scaffold Engineer (Level 5.5) Scaffold Design Engineer (Level 6) HORIZONTAL PROGRESSION- Scaffold Supervisor (Level 5)																					
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted																						
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	Women will be encouraged to join.																					
20.	Are Greening/ Environment Sustainability Aspects Covered (Specify the NOS/Module which covers it)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																					
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Colleges <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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: Anand Kumar Singh Email: aksingh@ssdfindia.org Contact No.: +91-8505955506 Website: www.ssdfindia.org																					

23.	Final Approval Date by NSQC: 31-01-2024	24. Validity Duration: 3 Years	25. Next Review Date: 31-01-2027
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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 Man.-Mandatory Training Rec.-Recommended Proj.-Project

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/non-core	NCrF/N SQF 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/N0211, v1.0	Core	5	4	60	40	20	0	120	50	50	-	-	100	18%-17
2.	Scaffold Drawings & Designs	SSD/N0212, v1.0	Core	5	2	30	20	10	0	60	50	50	-	-	100	9%
3.	Advance Scaffold Designs	SSD/N0207, v1.0	Core	5	3	45	35	10	0	90	50	50	-	-	100	14%-13
4.	Advance Scaffold Inspection & Documentation	SSD/N0208, v1.0	Core	5	4	60	40	20	0	120	50	50	-	-	100	18%-16
5.	Advance International Practices & Designs in Scaffoldings	SSD/N0209, v1.0	Core	5	3	45	25	20	0	90	50	50	-	-	100	19%-18
6.	Plan, Organize & Monitor	SSD/N0210, v1.0	Non-Core	4.5	2	30	25	5	0	60	50	50	-	-	100	9%
7.	Work with Safety, Health & Environment	SSD/N0206, v1.0	Non-Core	4.5	2	30	25	5	0	60	50	50	-	-	100	9%
8.	Employability Skills	DGT/VSQ/N0102	Non-Core	4	2	30	30	-	-	60	25	25	-	-	50	9%
Duration (in Hours) / Total Marks				-	22	330	240	90	0	660	375	375	-	-	750	100%

Optional NOS/s: No

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.	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.	Trainer’s Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Completed M. Tech/ B. Tech in Civil or Mechanical Engineering with 4 years’ experience Completed Graduate in any discipline / Diploma in Engineering with 7 years’ experience Completed ITI/12TH with 12 years’ experience
2.	Master Trainer’s Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Completed M. Tech/ B. Tech in Civil or Mechanical Engineering with 5 years’ experience Completed Graduate in any discipline / Diploma in Engineering with 7 years’ experience
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	

Section 4: Assessment Related

1.	Assessor’s Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Completed M. Tech/ B. Tech in Civil or Mechanical Engineering with 4 years’ experience Completed Graduate in any discipline / Diploma in Engineering with 7 years’ experience Completed ITI/12TH with 12 years’ experience
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2.	Proctor’s Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Completed M. Tech/ B. Tech in Civil or Mechanical Engineering with 1 years’ experience Completed Graduate in any discipline / Diploma in Engineering with 2 years’ experience Completed ITI/12TH with 5 years’ experience
3.	Lead Assessor’s/Proctor’s Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Completed M. Tech/ B. Tech in Civil or Mechanical Engineering with 5 years’ experience Completed Graduate in any discipline / Diploma in Engineering with 7 years’ experience
4.	Assessment Mode (Specify the assessment mode)	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): Yes
3.	Government /Industry initiatives/ requirement (Yes/No): No
4.	Number of Industry validation provided: 30
5.	Estimated nos. of persons to be trained and employed: 18,600
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: “No”

Section 6: Annexure & Supporting Documents Checklist

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrF/NSQF level justification based on NCrF level/NSQF descriptors (Mandatory)	Yes
2.	Annexure: List of tools and equipment relevant for qualification (Mandatory, except in case of online course)	Yes
3.	Annexure: Detailed Assessment Criteria (Mandatory)	Yes

4.	Annexure: Assessment Strategy (Mandatory)	Yes
5.	Annexure: Blended Learning (Mandatory, in case selected Mode of delivery is “Blended Learning”)	No
6.	Annexure: Multiple Entry-Exit Details (Mandatory, in case qualification has multiple Entry-Exit)	Yes
7.	Annexure: Acronym and Glossary (Optional)	Yes
8.	Supporting Document: Model Curriculum (Mandatory – Public view)	Yes
9.	Supporting Document: Career Progression (Mandatory - Public view)	Yes
10.	Supporting Document: Occupational Map (Mandatory)	Yes
11.	Supporting Document: Assessment SOP (Mandatory)	Yes
12.	Any other document you wish to submit:	No

Annexure: Evidence of Level

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrF/NSQF level descriptor	NCrF/NSQF Level
Professional Theoretical Knowledge/Process	The job holder requires a wide range of specialized theoretical & practical skill, experience, and technical knowledge to perform the task of Scaffold Inspection in accordance with the applicable standards, drawings, and procedures.	The job holder requires a wide range of specialized theoretical & practical skills & understanding which may or may not be routine.	5
Professional and Technical Skills/ Expertise/ Professional Knowledge	Job holder is required to inspect scaffolds for safety as per codes & standards, drawings, design, and details etc. The job holder should have very good factual & theoretical knowledge of	The job holder should have very good factual & theoretical knowledge & principles in broad context of scaffolding	5

	<p>scaffolding works, various steps involved, and the requirement of various elements to ensure safety of users of the scaffold.</p>	<p>works and various steps involved in inspection such as:</p> <ul style="list-style-type: none"> • Classification of scaffold systems • Types of scaffolds • Statutory and Legal requirements • Indian and basic international standards • Risk assessment and hazard identification to ensure safe use by users. • Planning and methodology 	
<p>Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill</p>	<p>The job holder is expected to have cognitive & 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 & practical skills for inspection of the scaffold, to suggest solutions to specific problems. It also needs to exhibit proactive cooperation and collaboration with scaffold erection teams.</p>	<p>5</p>

		<ul style="list-style-type: none"> • Effective communication, initiative, flexibility, and an ability to induce collaboration. • Exhibits integrity, interpersonal understanding, and self-confidence. • Utilizes a systematic approach to apply knowledge in proactive guidance and problem solving. • Facilitate quality of work through timely communication and guidance. <p>Suggest practical solutions to problems</p>	
<p>Broad Learning Outcomes/Core Skill</p>	<p>The job holder is expected to calculate the loads and other details. He is also expected to have core skills to demonstrate team work, time management, effective guidance, and communication to ensure compliance to set standards and procedures.</p>	<p>The job holder will require mathematical calculation to arrive at the loads allowed and design checks. He is also expected to have demonstrate;-</p> <ul style="list-style-type: none"> • Team work 	<p>5</p>

		<ul style="list-style-type: none"> • Time management • Effective guidance and communication • Ensure compliance to standards. • Ensure process compliance. <p>Constructive feedback for improvement to all stakeholders.</p>	
Responsibility	<p>The Job holder carries out inspection and is directly responsible to ensure compliance of all applicable standards and procedures of scaffold inspection and the subordinates working under him.</p> <p>He is also responsible for the subordinates under him and following activities:-</p> <ul style="list-style-type: none"> • Inspection records preparation & submission. • Timely feedback and guidance. <p>Responsibility for continual learning and development of self</p>	<p>The Job holder is directly responsible for his work in carrying out inspection and ensuring compliances and responsible for his work & learning. He needs to have adequate knowledge of the standard, safety measures and the codes & standards.</p>	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	Podger 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	Wheel barrows	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 / White board
2. Marker
3. Projector
4. Laptop with relevant software
5. Working Models
6. Open yard for practical's

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	Irrigation Department Government of UP	Er. Manoj Kumar Arya	Junior Engineer	Aligarh, Uttar Pradesh	9412818118	-	-
2	Shaheed Bhagat Singh College, University of Delhi	Dr. Chandrakanta	Former Faculty	Delhi University, New Delhi	-	chandrakantajnu@gmail.com	-
3	Surya Contractors	Mr. Rajendra Kumar	Billing Engineer (Civil)	Amritsar, Punjab	8802661569	-	-
4	Accurate Institute of Management and Technology	Dr. S L Rajput	Associate Professor	Greater Noida, Uttar Pradesh	807626549	-	-
5	Pratham education foundation	Mr. Ashutosh Sharma Mr. Raman Singh	Program Associate (Civil)	Noida, Uttar Pradesh	7982315949 7827582148	-	-

6	CPWD, New Delhi	Mr. Bharat Singh Chauhan	Junior Engineer (Civil)	O/A Assistant Engineer, 4/N, CPWD Shahjahan road, New Delhi	-	-	-
7	UPPCL, Lucknow	Ms. Sandhya Mishra	Junior Engineer (Civil)	UPPCL, Left Bank Gomti Barrage, Gomti Nagar, Lucknow, UP	-	-	-
8	Deepam Contractors Pvt. Ltd.	Mr. R. B. Singh	Director	H-156 Beta 2, Greater Noida, UP- 203010	7503920973	deepamcontractor@gmail.com	-
9	IIT Guwahati	Dr. Sparsh Johari	Assistant Professor	Indian Institute of Technology, Guwahati	7827060976	sparshjohari@iitg.ac.in	-
10	Ciria India Limited	Mr. Akash Nirvan	Head EHSS	C-116, 2 ND & 3 RD Floor, Sector-2, Noida- 201301, UP	8800377994	Akash.nirvan@morganplc.com	-
11	IIT Roorkee	Mr. Amarjeet	Research Scholar (Dept. of Civil Engg)	Indian Institute of Technology Roorkee, Uttarakhand	7839116059	-	-
12	N.R., Indian Railways	Bishun Dayal Verma	SSE	Carriage workshop, Alam Bagh, Lucknow- Uttar Pradesh	8707481190 9794830451	-	-

13	Larsen & Toubro Limited	Mr. Rahul Sinha	Assistant Construction Manager	NCRTC RRTS Project, Meerut, Uttar Pradesh	-	Rahul.sinha1@Intecc.com	-
14	Ask EHS engineering & consultants Pvt ltd	Mahesh S Lanjekar	Business Head	Surat, Gujarat	9227695202	Mahesh.lanjekar@askehspmc.com	-
15	Symplico	Ms. Lata Rawat	Manager	Surat, Gujarat	9484825000	-	-
16	Pooja Enterprises	Mr. Karan Aggarwal	General Manager	Surat, Gujarat	9725348874	-	-
17	Structural Specialties & Projects Pvt Ltd	Mr. Sawant	-	801, Odyssey, Road No. 9, Wagle Estate, Thane (West), Thane, Maharashtra 400604	022 2580 1080	-	-
18	Jobby Industrial Services Pvt Ltd	Mr. B Naik	-	UNIT NO. 25 & 26, NAHUR UDYOG CO-OP SOCIETY LTD. PANDIT M. M. MALVIYA MARG, MULUND (W), MUMBAI Mumbai City MH 400080 IN	02221675100	-	-
19	Enercore Power Builders	Mr. S Paramasiram	-	351 / 270, 1st Floor, MKN	(949) 732-4400	-	-

				Road, Alandur, Chennai, Tamil Nadu 600016			
20	Munn Engineers & Developers Pvt Ltd	-	-	Ward No. 3, House No: 26, Nadikhandisahi , Phulbani, IGndhamal, Odisha- 762001	-	-	-
21	Micron Electricals	Syed Akbar Ahmed Zaidi Mr. Mohan Rangala	Safety Head EHS Engineer	No.86/E-1,2nd Cross,3rd Main Road, Industrial Suburb,2nd Stage Yeshwanthpur, BANGALORE – 560 022	9885092841 9515470663	qhseakbar@gmail.com rangalamohanrao@gmail.com	-
22	Tata Project	SK Mohammad Ali Akbar	Safety Officer	Mumbai, Maharashtra, India	9040597712	-	-
23	Reliance Industries Limited	Ravi Ballabh	GM, S&OR-Const. Safety		9725007688	Ravi.ballabh@ril.com	-
24	Signify Innovation India Limited	Pradeep Singh Parhar	Manager Health & Safety	9 th floor, Building 9B, DLF cyber city, Gurugram- Haryana	9814721820	Pradeep.parhar@signify.com	-
25	ASK EHS	Harshit Parikh	Business Development Overseas (HSE)	Surat, Gujarat	6359922897	harshitparikh@askehspmc.com	-

			Recruitment & Projects)				
26	JSW	Veerendra Kumar	Safety Consultant			Veerendra.kumar@jsw.in	-
27	Carrier India Limited	Md. Mukaram	Safety Head			md.mukaram@carrier.com	-
28	Kalpataru Group	Lalit Tiwari	President-EHS & Group chief sustainability officer			lalitkumar.tiwari@kalpataru.com	-
29	United Fire & Safety Services	Sandeep Mehta	Owner	GIDC, Industrial estate, makarpura, Vadodara-390010	6358827798	Usafe.fire@gmail.com	-
30	L&T Limited	Manish Gupta	HSE Head	L&T Energy-Hydrocarbon (HSE), Hazira			

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
2024	300	300	-	-	-	-
2025	500	500	30	30	-	-
2026	700	700	30	30	-	-

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

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
SSD/N0211 v1.0 : Scaffoldings & Specifications	PC-1 Identification of various types of scaffolds, 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 defects 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 scaffolds, 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	-	-
	Total Marks		50	50	-
SSD/N0212 v1.0 : Scaffold Drawings & Designs	PC-1 Reading and understanding of scaffold drawings.	8	7	-	-
	PC-2 Interpretations of scaffold drawings.	5	5	-	-
	PC-3 Provide assistance 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	-	-
	Total Marks	50	50	-	-
SSD/N0207 v1.0 : Advance Scaffold Designs	PC-1 Reading and understanding of scaffold drawings.	5	5	-	-
	PC-2 Interpretations of scaffold drawings.	5	5	-	-
	PC-3 Provide assistance 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	7	-	-
	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.	7	6	-	-
	PC-6 Checking of design details of scaffolds provided to him.	6	7	-	-
	PC-7 Working out details of fall protections, design and fall protection measures.	7	7	-	-
	PC-8 Working out details of ladder/temporary ladder requirements & design.	8	8	-	-
	Total Marks	50	50	-	-
SSD/N0208 v1.0 : Advance Scaffold Inspection & Documentation	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 the inspection points of the scaffold.	8	7	-	-
	PC-6 Compliances of all inspection points & prepare inspection report.	7	8	-	-
	PC-7 Preparation & maintenance of documents as per inspection process.	7	8	-	-
	PC-8 Providing the inspection report to concerned officials.	5	5	-	-
	Total Marks	50	50	-	-

SSD/N0209 v1.0 : Advance International Practices & Designs in Scaffoldings	PC-1 Basic working of design details of scaffold as per following international codes & practices. <ul style="list-style-type: none"> ● BS EN-12810/11/12, EN 74 ● NASC - TG20-13 ● SG4-10, SG6 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"> ● UK /Europe ● USA ● Australia 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 the concerned region and reporting.	5	5	-	-
	Total Marks	50	50		
SSD/N0210 v1.0 : Plan, Organize & Monitor	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	-	-
	Total Marks	50	50		
SSD/N0206 v1.0 : Work with Safety, Health & Environment	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 equipment 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 a healthy and working area free from health hazards.	3	3	-	-
	PC-7 Use of earmarked sanitation areas & 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 a 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	-	-
	Total Marks	50	50		
DGT/VSQ/N0102: Employability Skills	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,	1.5	1.5	-	-

	problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life				
	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 Carry out 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 different 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 different 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	-	-
Total Marks	25	25		
Grand Total	375	375		

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
- Center 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:
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Annexure: 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 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 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 based on 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
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