# QUALIFICATION FILE

## SAFETY EXECUTIVE(OSHE)

☒ **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**

**D-507, LightHouse, Town Square, Sector 82-A, Vatika India Next,**

**Gurugram -122004 (Haryana**)

**+91-1243634989**

## Table of Contents

**NSQC Approved**

Section 1: Basic Details

| | | | |
|---|---|---|---|
| 1. | **Qualification Name** | Safety Executive (OSHE) | |
| 2. | **Sector/s** | Hydrocarbon, Iron & steel, Mining, Power, Automotive, Construction, Chemical / Petrochemical, and others. | |
| 3. | **Type of Qualification:** ☒ **New**   ☐ **Revised** ☐ **Has Electives/Options** ☐**OEM** | **NQR Code & version of existing/previous qualification:** | **Qualification Name of existing/previous version:** |
| 4. | a.   **OEM Name** b.   **Qualification Name** (*Wherever applicable*) | Safety Executive (OSHE) | |
| 5. | **National Qualification Register (NQR) Code &Version** (*Will be issued after NSQC approval*) | QC-05-CO-02083-2024-V1-SSDF | **6.   NCrF/NSQF Level:** *5* |
| 7. | **Award (Certificate/Diploma/Advance Diploma/ Any Other** (*Wherever applicable specify multiple entry/exits also & provide details in annexure*) | Certificate | |
| 8. | **Brief Description of the Qualification** | Safety Executive (OSHE) is responsible for the implementation of health and safety policy, ensuring the organization health and safety compliance as per the local or national legislative requirements. Identify workplace hazards and suggest actionable controls for mitigating the hazard, assist and advise the management in maintaining safe working conditions in the organization promote positive safety culture and escalate grievances related to improper or unsafe working conditions. | |
| 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 | Graduate in science discipline | 3 |
| 2 | Completed 3-year diploma after 10th in relevant field. | 4.5 |
| 3 | Completed 2-year NTC (after 10th) | 5.5 |
| 4 | Previous relevant qualification of NSQF level 4.5 | 1.5 |
| 5 | Previous relevant qualification of NSQF level 4 | 3 |

**NSQC Approved**

| | | |
|---|---|---|
| | **b. Age-** 18 Years | |

| 10 | **Credits Assigned to this Qualification, Subject to Assessment** *(as per National Credit Framework (NCrF))* | 24 | **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)* | ☒Offline ☐ Online ☐Blended |

| Training Delivery Modes | Theory (Hours) | Practical (Hours) | OJT Mandatory (Hours) | OJT Recommended (Hours) | Total (Hours) |
|---|---|---|---|---|---|
| **Classroom (offline)** | 360 | 240 | 120 | - | 720 |
| **Online** | - | - | - | - | - |

*(Refer Blended Learning Annexure for details)*

| 14 | **Aligned to NCO/ISCO Code/s** *(if no code is available mention the same)* | NCO-2015/2141.2600    Occupational Health and Safety Specialist. |
|---|---|---|
| 15 | **Progression path after attaining the qualification** *(Please show Professional and Academic progression)* | VERTICAL PROGRESSION- <br><br> Safety Inspector (OSHE) (Level 5.5), Manager (OSHE) (Level 6) <br><br> HORIZONTAL PROGRESSION- <br> Internal Safety Auditor (Level 5) |
| 16 | **Other Indian languages in which the Qualification & Model Curriculum are being submitted** | English, Hindi |
| 17 | **Is similar Qualification(s) available on NQR-if yes, justification for this qualification** | ☐ Yes   ☒ No URLs of similar Qualifications: |
| 18 | **Is the Job Role Amenable to Persons with Disability** | ☐ Yes  ☒ No <br> **If "Yes," specify applicable type of Disability:** |

**NSQC Approved**

| 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)* | ☒ Yes   ☐ No | | |
| 21 | Is Qualification Suitable to be Offered in Schools/Colleges | Schools ☐ Yes  ☒ No    Colleges ☒ Yes ☐ No | | |
| 22 | Name and Contact Details of Submitting / Awarding Body SPOC *(In case of CS or MS, provide details of both Lead AB & Supporting ABs)* | **Name:** Anand Kumar Singh<br>**Email:** aksingh@ssdfindia.org<br>**Website:** www.ssdfindia.org | **Contact No.:** +918505955506 | |
| 23 | **Final Approval Date by NSQC:** *31-01-2024* | **24. Validity Duration:** 3 Years | | **25. Next Review Date:** 31-01-2027 |

**NSQC Approved**

<div align="center">Section 2: Module Summary</div>

## 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. | Introduction to Occupational Safety, Health, and Environment (OSHE). | SSD/N0106, v1.0 | Core | 4.5 | 3 | 45 | 15 | 30 | 0 | 90 | 50 | 50 | - | - | 100 | 12% |
| 2. | Fire Safety, fire fighting equipment, and fire evacuation plan. | SSD/N0107, v1.0 | Core | 4.5 | 3 | 45 | 25 | 20 | 0 | 90 | 50 | 50 | - | - | 100 | 12% |
| 3. | Accident Prevention Methodologies. | SSD/N0111, v1.0 | Core | 5 | 2 | 30 | 15 | 15 | 0 | 60 | 50 | 50 | - | - | 100 | 9% |
| 4. | Hazard Identification, Categories and Control | SSD/N0108, v1.0 | Core | 5 | 4 | 60 | 40 | 20 | 0 | 120 | 50 | 50 | - | - | 100 | 17% |
| 5. | Pollution & Environment Management, Global warming, and sustainability | SSD/N0112, v1.0 | Core | 5 | 2 | 30 | 15 | 15 | 0 | 60 | 50 | 50 | - | - | 100 | 9% |

<div align="center">**NSQC Approved**</div>

| 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) |
| 6. | Statutes & Legislative requirements in Health & Safety. | SSD/N0109, v1.0 | Core | 4.5 | 4 | 60 | 60 | 0 | 0 | 120 | 50 | 50 | - | - | 100 | 17% |
| 7. | Health, Hygiene, Environment & Psychological Health | SSD/N0110, v1.0 | Non-Core | 4.5 | 2 | 30 | 20 | 10 | 0 | 60 | 50 | 50 | - | - | 100 | 8% |
| 8. | Plan, Organize and Emergency protocols | SSD/N0104, v1.0 | Non-Core | 4.5 | 2 | 30 | 20 | 10 | 0 | 60 | 50 | 50 | - | - | 100 | 8% |
| 9. | Employability Skills | DGT/VSQ/N0102 | Non-Core | 4 | 2 | 30 | 30 | - | - | 60 | 25 | 25 | - | - | 50 | 8% |
| Duration (in Hours) / Total Marks | | | | - | 24 | 360 | 240 | 120 | 0 | 720 | 425 | 425 | - | - | 850 | 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.)*

**NSQC Approved**

**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 UG/PG in relevant field with 3 years' experience |
|---|---|---|
| | | Completed UG in any discipline / Diploma in relevant field with 5 years' experience |
| | | Completed ITI or 12TH with 10 years' experience |
| 2. | **Master Trainer's Qualification and experience in the relevant sector (in years)** *(as per NCVET guidelines)* | Completed UG/PG in relevant field with 5 years' experience |
| | | Completed UG in any discipline / Diploma in relevant field with 7 years' experience |
| 3. | **Tools and Equipment Required for Training** | ☒Yes   ☐No   *(If "Yes," details to be provided in Annexure)* |
| 4. | **In Case of Revised Qualification, Details of Any Upskilling Required for Trainer** | |

## Section 4: Assessment Related

| 1. | **Assessor's Qualification and experience in relevant sector (in years)** *(as per NCVET guidelines)* | Completed UG/PG in relevant field with 3 years' experience |
|---|---|---|
| | | Completed UG in any discipline / Diploma in relevant field with 5 years' experience |
| | | Completed ITI/12TH with 10 years' experience |
| 2. | **Proctor's Qualification and experience in relevant sector (in years)** *(as per NCVET guidelines)* | Completed UG/PG in relevant field with 1 year experience |
| | | Completed UG in any discipline / Diploma in relevant field with 2-year 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 UG/PG in relevant field with 5 years' experience |
| | | Completed UG in any discipline / Diploma in relevant field with 7 years' experience |
| 4. | **Assessment Mode** *(Specify the assessment mode)* | Offline and online |
| 5. | **Tools and Equipment Required for Assessment** | ☒ Same as for training   ☒ Yes   ☐ No *(details to be provided in Annexure-if it is different for Assessment)* |

**NSQC Approved**

## 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:** 20,800 |
| 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* |

**NSQC Approved**

| 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 as Safety Executive in accordance with the applicable standards, regulations, and procedures in respect of followings.<br><br>● Accident prevention<br><br>● Fire safety<br><br>● Pollution control<br><br>● Statutory compliances | 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 ensure safety process compliances as per standing order procedures, as per standards, regulation, and norms. The job holder will have very good factual & theoretical knowledge of regulations, statutory requirements, implementation processes, steps involved to ensure safety of employees, workers, and assets of the organization. | The job holder should have very good factual & theoretical knowledge & principles in broad context of safety requirements of the organization and various steps involved such as:<br><br>● Hazard identification, categorization, and control methods.<br><br>● Accident Prevention Measures.<br><br>● Statutory and Legal requirements | 5 |

**NSQC Approved**

| | | | |
|---|---|---|---|
| | | • Pollution control methods<br><br>• Indian and basic international standards<br><br>• Planning and methodology | |
| **Employment Readiness & Entrepreneurship**<br>**Skills & Mind-set/Professional Skill** | The job holder is expected to have cognitive & practical skills to ensure safety, generate solutions to specific issues related to safety and ability to ensure compliance of the safety norms and measures as per SOP and deployment of safety equipment. | The outcomes expected from the job holder requires cognitive & practical skills to ensure safety of employees & workers, suggest solutions to specific problems. It also needs to exhibit proactive cooperation and collaboration with the other teams & members for effective implementation of safety needs & deployment of safety equipment.<br><br>• Effective communication, initiative, flexibility, and an ability to induce collaboration.<br><br>• Exhibits integrity, interpersonal understanding, and self-confidence.<br><br>• Utilizes a systematic approach to apply knowledge in proactive guidance and problem solving.<br><br>• Facilitate quality of work through timely communication, suggestions, deployment, and guidance. | 5 |

**NSQC Approved**

Safety Executive (OSHE)

| | | | | |
|---|---|---|---|---|
| | | Suggest practical solutions to problems | | |
| **Broad Learning Outcomes/Core Skill** | The job holder is expected to analyze the risks & hazards, categorize, and find suitable methods for prevention and deploy the equipment's and ensure processes & statutory requirements.  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. | The job holder will require mathematical analysis to arrive at the methods, equipment & process compliance needs & checks. He is also expected to demonstrate;- <br><br> ● Team work <br><br> ● Time management <br><br> ● Effective guidance and communication <br><br> ● Ensure compliance to standards. <br><br> ● Ensure process compliance. <br><br> Constructive feedback for improvement to all stakeholders. | | 5 |
| **Responsibility** | The Job holder carries out safety compliance in the organization and is directly responsible to ensure compliance of all applicable standards, regulations and procedures by himself and the subordinates working under him. <br> He is also responsible for the subordinates under him and following activities:- <br><br> ● Records preparation & submission. <br><br> ● Timely feedback and guidance. <br><br>  Responsibility for continual learning and development of self | The Job holder is directly responsible for his work in carrying out implementation of  safety procedures and ensuring compliances. He is responsible for his work & learning and subordinates working under him. He needs to have adequate knowledge of the standard, safety measures and the statutes & standards. | | 5 |

**NSQC Approved**

Annexure: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment
**Batch Size:** 30

| No | Tool/Equipment Name | Specification | Quantity for specified Batch size |
|---|---|---|---|
| 1 | Safety goggles | Nos | 15 |
| 2 | Full face shield | Nos | 10 |
| 3 | Leather gloves | Nos | 9 |
| 4 | Puncture resistant gloves | Nos | 9 |
| 5 | Chemical resistant gloves | Nos | 9 |
| 6 | Electrically insulated latex gloves | Nos | 9 |
| 7 | Safety helmets/hard hats | Nos | 15 |
| 8 | Ear plugs | Nos | 15 |
| 9 | Ear muffs | Nos | 15 |
| 10 | Safety shoes | Nos | 15 |
| 11 | Safety gumboots | Nos | 15 |
| 12 | High visibility jackets | Nos | 15 |

**NSQC Approved**

Safety Executive (OSHE)

| No | Tool/Equipment Name | Specification | Quantity for specified Batch size |
|----|---------------------|---------------|-----------------------------------|
| 13 | N95 masks | Nos | 15 |
| 12 | Double filter half face mask | Nos | 5 |
| 13 | Double filter full face mask | Nos | 5 |
| 14 | SCBA – Self-contained breathing apparatus | Nos | 1 |
| 15 | Safety harness | Nos | 15 |
| 16 | Lanyard | Nos | 15 |
| 17 | Fall arrestor | Nos | 15 |
| 18 | CO2 Fire extinguisher | Nos | 25 |
| 19 | Dry Chemical Powder Fire extinguisher | Nos | 25 |
| 20 | Fire hydrant system | Nos | 1 |
| 21 | Multiple gas detector | Nos | 1 |
| 22 | TDS Meter | Nos | 1 |

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Black/White board
2. Marker
3. Projector
4. Computer with relevant software

**NSQC Approved**

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 | - | - |

**NSQC Approved**

| 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, 2ND & 3RD 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, | 8707481190 9794830451 | - | | - |

**NSQC Approved**

| | | | | Lucknow-Uttar Pradesh | | | |
|---|---|---|---|---|---|---|---|
| 13 | Larsen & Toubro Limited | Mr. Rahul Sinha | Assistant Construction Manager | NCRTC RRTS Project, Meerut, Uttar Pradesh | - | Rahul.sinha1@lntecc.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 | 02221675100 | - | - |

**NSQC Approved**

Safety Executive (OSHE)

| | | | | Mumbai City MH 400080 IN | | | |
|---|---|---|---|---|---|---|---|
| 19 | Enercore Power Builders | Mr. S Paramasiram | - | 351 / 270, 1st Floor, MKN Road, Alandur, Chennai, Tamil Nadu 600016 | (949) 732-4400 | - | - |
| 20 | Munn Engineers & Developers Pvt Ltd | - | - | Ward No. 3, House No: 26, Nadikhandisahi, Phulbani, lGndhamal, Odisha-762001 | - | - | - |
| 21 | Micron Electricals | Syed Akbar Ahmed Zaidi<br><br>Mr. Mohan Rangala | Safety Head<br><br>EHS Engineer | No.86/E-1,2nd Cross,3rd Main Road, Industrial Suburb,2nd Stage Yeshwanthpur, BANGALORE – 560 022 | 9885092841<br><br>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 | 9th floor, Building 9B, DLF cyber city, | 9814721820 | Pradeep.parhar@signify.com | - |

**NSQC Approved**

Safety Executive (OSHE)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | Gurugram-Haryana | | | |
| 25 | ASK EHS | Harshit Parikh | Business Development Overseas (HSE Recruitment & Projects) | Surat, Gujarat | 6359922897 | harshitparikh@askehspmc.com | - |
| 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 | - |

**NSQC Approved**

Safety Executive (OSHE)

| 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 | 30 | 30 | - | - |
| 2025 | 500 | 500 | 60 | 60 | - | - |
| 2026 | 800 | 800 | 100 | 100 | - | - |

*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

**NSQC Approved**

Annexure: Blended Learning

**Blended Learning Estimated Ratio & Recommended Tools:**

| S. No. | Select the Components of the Qualification | List Recommended Tools – for all Selected Components | Offline : Online Ratio |
|---|---|---|---|
| 1 | ☐Theory/ Lectures - Imparting theoretical and conceptual knowledge | Presentations, Reference material, Audio/Video module, e-books, 2-way video platform, Case study. | 0% : 100% |
| 2 | ☐Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners | Presentations, Reference material, Audio/Video module, e-books, 2-way video platform. | 0% : 100% |
| 3 | ☐Showing Practical Demonstrations to the learners | Presentations, Audio/Video module, e-books | 50% : 50% |
| 4 | ☐Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training | Simulation, Animation, Audio/Video module | 80% : 20% |
| 5 | ☐Tutorials/ Assignments/ Drill/ Practice | Presentations, Reference material, Audio/Video module, e-books, MCQ based test. | 50% : 50% |
| 6 | ☐Proctored Monitoring/ Assessment/ Evaluation/ Examinations | Presentations, Reference material, Audio/Video module, e-books, laptop/mobile | 0% : 100% |
| 7 | ☐On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training | On the work site, simulation. | 100% : 0% |

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/N0106, v1.0 : Introduction to Occupational Safety, Health, and Environment (OSHE)** | PC-1 Understand the concept of Health, Safety and Environment management at the workplace, its importance and the moral, financial and legal reasons for health and safety at the workplace. | 4 | 4 | - | - |
| | PC-2 Understand "Accident Cost- Iceberg" theory of direct and indirect cost incurred from an incident. | 4 | 4 | - | - |
| | PC-3 Understand the employer responsibilities in providing safe working conditions and the employee rights & responsibilities at a workplace, | 4 | 4 | - | - |

**NSQC Approved**

| | | | | |
|---|---|---|---|---|
| | safety culture, its indicators and role of International Labor Organization in health & safety. | | | | |
| | PC-4 Understand safety Policy, the general statement of intent in a safety policy, its aim, objectives, and "SMART" concept of goal setting. | 3 | 3 | - | - |
| | PC-5 Understand concept of safety audit, audit objective, types, requirement for safety audit at workplace, audit for a task, program, activity, project & machinery | 4 | 4 | - | - |
| | PC-6 Understand the scope of internal and external audit, reasons & advantages, responsibility of auditor. | 3 | 3 | - | - |
| | PC-7 Understand first-party, second-party and third-party audits, scope of the compliance audit, program audit & management system audit. | 3 | 3 | - | - |
| | PC-8 Understand the role of management in an organization, role of safety supervisor, safety executive, safety officer, safety engineer, and safety manager. | 3 | 3 | - | - |
| | PC-9 Understand fundamentals of process safety, OSHA standards. QRA, LOPA, SIL, FERA, EERA. | 4 | 4 | - | - |
| | PC-10 Understand the role of occupier, controller of premise, role & need of contractors in the organization & work permit to contractors, role of safety committee. | 4 | 4 | - | - |
| | PC-11 Understand the selection prerequisites of a contractor, management of contractors, review meetings, safety committee meetings, method statements, accident reporting, training programs, statutory inspections, permit to work, gaps in contractor safety implementation of contractor safety. | 4 | 4 | - | - |
| | PC-12 Understand the requirement of Plan-Do-Check-Act (PDCA) Cycle in safety management system; understand and analyze "Plan" & "Do" stages and "Check" and "Act" stages of PDCA cycle. | 4 | 4 | - | - |
| | PC-13 Understand the need of training, the contents of induction training & competent persons at the workplace, carry out "Toolbox talk" and "Induction training". | 3 | 3 | - | - |
| | PC-14 Learn gas testing using – LEL sensor, O2 sensor, H2S sensor, Co Sensor. | 3 | 3 | - | - |
| | **NOS Total Marks** | **50** | **50** | **-** | **-** |

**NSQC Approved**

| | | | | | |
|---|---|---|---|---|---|
| **SSD/N0107, v1.0 : Fire Safety, fire fighting equipment, and fire evacuation plan.** | PC-1 Understand basic definitions- Flammable liquids, Combustible matter/liquids, Combustible gasses, combustion, oxygen percentage in air, exothermic and endothermic reactions, flash point and fire point and transmission of heat by conduction, convection, and radiation. | 5 | 5 | - | - |
| | PC-2 Understand the Fire triangle and classification fire. Understand the common reason for fire accidents. | 5 | 5 | - | - |
| | PC-3 Understand the four stages of fire- incipient, growth, fully developed and decay. | 5 | 5 | - | - |
| | PC-4 Preventing fire and spread by controlling fuel source, ignition source control and oxygen control. | 5 | 5 | - | - |
| | PC-5 Understand different types of extinguishing media-water, foam, dry chemical powder, carbon dioxide. | 3 | 2 | - | - |
| | PC-6 Understand types of fire-fighting equipments, its principle of operation, components in different fire extinguisher. | 2 | 3 | - | - |
| | PC-7. Learn and perform extinguishing of fire using PASS technique & operation of fire hydrants. | 3 | 2 | - | - |
| | PC-8 Implement the placement of fire extinguisher at workplace and learn maintenance of fire extinguisher with the help of checklist. | 2 | 3 | - | - |
| | PC-9 Understand the use of smoke detectors, fire alarm, emergency lighting, flashing light, sprinklers, and pressure requirements in fire hydrants. | 4 | 4 | - | - |
| | PC-10 Identify new technological interventions in fire safety like water mist system, online hydrant pressure monitoring, wireless fire detection system etc. | 3 | 3 | - | - |
| | PC-11 Understanding use of PPEs in fire safety – Helmet, turnout gear, gloves, boots, SCBA (Self-contained breathing apparatus) and use of SCBA. | 3 | 3 | - | - |
| | PC-12 Understand the requirements of emergency evacuation – Escape route as per IS1644. | 4 | 4 | - | - |
| | PC-13 Understand Fire door, emergency directional signages, assembly point, evacuation, evacuation of differently abled, evacuation procedure, role of "Fire Marshals". | 3 | 3 | - | - |
| | PC-14 Carry out fire drills on emergency evacuation and fire fighting equipment. | 3 | 3 | - | - |
| | **NOS Total Marks** | **50** | **50** | **-** | **-** |

**NSQC Approved**

| | | | | | |
|---|---|---|---|---|---|
| **SSD/N0111, v1.0 : Accident Prevention Methodologies.** | PC-1 Understand basic definitions- incident, accident, Injury, lost time injury, unsafe condition, unsafe Acts, dangerous occurrences, hazards, error, near miss. | 5 | 5 | - | - |
| | PC-2 Understand theories of accident causation- Heinrich's Domino theory", "Heinrich 300-29-1 model, "" Ferrell's Human Factor Model", "Petersen's Accident/Incident Model " and" Reason's Swiss Cheese Model". | 5 | 5 | - | - |
| | PC-3 Calculate "Frequency rate & Incident rate". Calculate "Lost time case rate." | 5 | 5 | - | - |
| | PC-4 Calculate "DART rate". Calculate "Severity rate." | 5 | 5 | - | - |
| | PC-5 Understand "Fault tree analysis" and "Event tree analysis. | 5 | 5 | - | - |
| | PC-6 Understand and carry out "HAZOP- Hazard, operability analysis" and "Job safety analysis". | 5 | 5 | - | - |
| | PC-7 Understand "Hazard Identification and risk assessment". | 5 | 5 | - | - |
| | PC-8 Learn the hierarchy of controls, Importance of hierarchy of control & steps in hierarchy of control | 5 | 5 | - | - |
| | PC-9 Understand Maslow's theory of Hierarchical Needs, Hertzberg's two-factor theory and McClelland's theory of needs | 5 | 5 | - | - |
| | PC-10 Vroom's Theory of Expectancy, McGregor's theory X and theory Y and Alderfer's ERG theory | 5 | 5 | - | - |
| | **NOS Total Marks** | **50** | **50** | **-** | **-** |
| **SSD/N0108, v1.0 : Hazard Identification, Categories and Control** | PC-1 Understand the basic definitions: Hazards, unsafe conditions & acts, incidents & accidents; fatal, non-fatal, near miss incidents & accidents; lost time injury & first aid injury. | 5 | 5 | - | - |
| | PC-2 Understand hazard categories and risks introduced by PPEs. | 3 | 3 | - | - |
| | PC-3 Know the different types of safety signs and signals. | 2 | 2 | - | - |
| | PC-4 Understand the hierarchy of controls in safety. | 4 | 2 | - | - |
| | PC-5 Understanding Importance of each hierarchy of control. | 4 | 3 | - | - |
| | PC-6 Understanding the steps in the hierarchy of control. | 4 | 3 | - | - |
| | PC-7 Understand different hazard categories & control : Electricity and Fire. | 4 | 4 | - | - |
| | PC-8 Understand different hazard categories & control : Tools, equipment, and machinery. | 4 | 4 | - | - |

**NSQC Approved**

| | | | | | |
|---|---|---|---|---|---|
| | PC-9 Understand different hazard categories & control : Health and workplace hazard - Work at height, confined space, working in an excavation, lone working, and slips & trips. | 4 | 4 | - | - |
| | PC-10 Understand different hazard categories & control : Movement of workforce, Work related driving and vehicles at workplace. | 4 | 4 | - | - |
| | PC-11 Understand different hazard categories & control : Hazardous substances. | 4 | 4 | - | - |
| | PC-12 Understand different hazard categories & control : Musculoskeletal disorders, manual handling, and load handling equipment. | 4 | 4 | - | - |
| | PC-13 Understand different hazard categories & control : Noise, vibration, radiation, mental ill- health, violence at work, substance abuse at workplace. | 2 | 4 | - | - |
| | PC-14 Understand different hazard categories & control: Lifting and Rigging hazards and control. | 2 | 4 | - | - |
| | **NOS Total Marks** | **50** | **50** | **-** | **-** |
| SSD/N0112, v1.0 : Pollution & Environment Management, Global warming, and sustainability. | PC-1 Understand environment & atmospheric pollution, water pollution, land pollution, noise pollution, air quality, ill effects, and control. | 10 | 10 | - | - |
| | PC-2 Understand types of waste, its disposal techniques, and concepts of effluent treatment plants. | 10 | 10 | - | - |
| | PC-3 Hazardous waste management & 6R's. | 5 | 5 | - | - |
| | PC-4 Understand the regulatory requirements of Central Pollution Control Board & State Pollution Control Board and Environment Protection Act, 1986" & KYOTO protocol. | 5 | 5 | - | - |
| | PC-5 Learn about remote sensing, air monitoring, biological monitoring, soil monitoring and water monitoring. | 5 | 5 | - | - |
| | PC-6 Understand EIA- Environmental impact assessment and LCI- Life cycle Impact assessment. | 5 | 5 | - | - |
| | PC-7 Understand global warming and climate change, greenhouse gasses & greenhouse effect, carbon cycle, carbon footprints, carbon neutrality & Carbon credits. | 4 | 4 | - | - |
| | PC-8 Understand ozone layer, ozone layer depletion, elements affecting ozone layer, acid rain, wet deposition, dry deposition, and its factors. | 3 | 3 | - | - |
| | PC-9 Understand the meaning of Eco-friendly, energy conservation methods using solar, hydro, wind, biomass, water and harvesting. | 3 | 3 | - | - |

**NSQC Approved**

| | NOS Total Marks | 50 | 50 | - | - |
|---|---|---|---|---|---|
| **SSD/N0109, v1.0 : Statutes & Legislative requirements in Health & Safety.** | PC-1 Apply regulatory requirements on safety, health & environment compliance as per BOCW Act 1996. | 4 | 4 | - | - |
| | PC-2 Apply regulatory requirements on safety, health & environment compliance as per Factories Act, 1948. | 4 | 4 | - | - |
| | PC-3 Apply regulatory requirements on safety, health & environment compliance as per OSH Code 2020 & Occupational Safety & Health Administration (OSHA) compliance requirements. | 4 | 4 | - | - |
| | PC-4 Apply regulatory requirements as per Environment Protection Act, 1986 & ILO Guidelines related to EHS. | 3 | 3 | - | - |
| | PC-5 Apply regulatory requirements and compliance as per Oil Industry Safety Directorate (OSID) Guidelines | 4 | 4 | - | - |
| | PC-6 Apply regulatory requirements and compliance as per Mines Vocational Training Rules – DGMS | 4 | 4 | - | - |
| | PC-7 Apply Electricity Act 2010 & 2003 | 3 | 3 | - | - |
| | PC-8 Know safety compliance requirement as per National Building Code (NBC) – 2016 | 3 | 3 | - | - |
| | PC-9 Apply regulatory requirements and compliance as per National Fire Protection Association regulations. | 4 | 4 | - | - |
| | PC-10 Apply regulatory requirements and compliance as per Petroleum & Explosive Safety Organization (PESO) and Explosive Act 1884. | 3 | 3 | - | - |
| | PC-11 Know safety requirements as per Gas Cylinders Rule 2016 | 3 | 3 | - | - |
| | PC-12 Apply regulatory requirements and compliance as per The Boilers Act 1923 | 2 | 2 | - | - |
| | PC-13 Apply the Workmen Compensation Act 1923 & Employee State Insurance Act 1948 and related compliance. | 3 | 3 | - | - |
| | PC-14 Apply regulatory compliances needed as per Motor vehicle Act 1988 | 3 | 3 | - | - |
| | PC-15 Apply requirements First Aid at workplaces and training on first aid. | 3 | 3 | - | - |
| | **NOS Total Marks** | **50** | **50** | **-** | **-** |

**NSQC Approved**

| | | | | | |
|---|---|---|---|---|---|
| SSD/N0110, v1.0 : Health, Hygiene, Environment & Psychological Health | PC-1 Understand of the hazards and risks at the workplace for the health of workers & employees due to hygiene, sanitation and the working environment. | 6 | 6 | - | - |
| | PC-2 Evaluate the requirements of health, hygiene & sanitation at work place to mitigate any risk to health of workers & employees at work site. | 6 | 6 | - | - |
| | PC-3 Prepare list of measures to be ensured for good health, hygiene of employees/ workers at the workplace. | 6 | 5 | - | - |
| | PC-4 Plan & ensure safe water hygiene, food hygiene and personal hygiene arrangements. | 6 | 6 | - | - |
| | PC-5 Plan & ensure measures for human waste management, solid waste management, water waste management at work site. | 6 | 6 | - | - |
| | PC-6 Plan & ensure housing hygiene, work hygiene, cleanliness, and ventilations at work place. | 5 | 6 | - | - |
| | PC-7 Plan & ensure availability of medical facilities near to the workplace. | 5 | 5 | - | - |
| | PC-8 Plan & ensure adequate policy, briefing & clarity on safety provisions at work place. | 5 | 5 | - | - |
| | PC-9 Plan & ensure education facilities for children of workers and entertainment & communication facilities for all. | 5 | 5 | - | - |
| | NOS Total Marks | 50 | 50 | - | - |
| SSD/N0104, v1.0 : Plan, Organize and Emergency protocols | PC-1 Planning of safety resources, schedules, measures, and timelines for readiness as per overall work timelines. | 5 | 5 | - | - |
| | PC-2 Communication to other team members, co-workers, subordinates & superiors, and coordination with other team members. | 5 | 5 | - | - |
| | PC-3 Task identification and allotment to subordinates, supervision, and coordination among the team members for readiness in sync with overall task & timelines. | 5 | 5 | - | - |
| | PC-4 Resource collection, provisioning of resources to team members as per task & timelines. | 6 | 6 | - | - |
| | PC-5 Communicate & brief to concerned co-workers, subordinates & superiors, provide guidance to subordinate & co-workers for timely and correct completion. | 6 | 6 | - | - |
| | PC-6 Supervision & monitoring progress of work, reporting the progress & completion, preparation of reports & documents. | 6 | 5 | - | - |
| | PC-7 Set up medical emergency measures, in case of accidents/incidents at the workplace. | 6 | 6 | - | - |

**NSQC Approved**

Safety Executive (OSHE)

| | | | | | |
|---|---|---|---|---|---|
| | PC-8 Set up fire emergency measures as per plans in case of any fire accidents at the workplace. | 6 | 6 | - | - |
| | PC-9 Set up emergency assembly area, evacuation plan, sign boards and guidance. | 5 | 6 | - | - |
| | **NOS 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, 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 | - | - |

**NSQC Approved**

| | | | | | |
|---|---|---|---|---|---|
| | 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** | **425** | **425** | **-** | **-** |

**NSQC Approved**

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.

**NSQC Approved**

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 |
|---|---|
| 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 |


**NSQC Approved**