



QUALIFICATION FILE

Technician (Plumbing)

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

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

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

NCrF/NSQF Level: 3

Submitted By:

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Section 1: Basic Details

1.	Qualification Name	Technician (Plumbing)	
2.	Sector/s	Plumbing	
3.	Type of Qualification: ☐ New ☐ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing/previous qualification: <i>(change to previous, once approved)</i> 2022/PLUM/KSDC/05938	Qualification Name of existing/previous version: Technician (Plumbing)_V1
4.	a. OEM Name b. Qualification Name <i>(Wherever applicable)</i>	Technician (Plumbing)	
5.	National Qualification Register (NQR) Code &Version <i>(Will be issued after NSQC approval)</i>	QG-03-PL-05938-2025-V2-KSDC	6. NCrF/NSQF Level: 3
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other <i>(Wherever applicable specify multiple entry/exits also & provide details in annexure)</i>	Certificate	
8.	Brief Description of the Qualification	This course is designed to develop skills in Advanced Plumbing which is for improvement in earlier technologies has to be resulting into cutting down, wastage of water and then harvesting / re-using of that water, and energy utilized to store, heat or transport water. It provides new breed of plumbing students about water saving fittings and systems. It also provides unique opportunities to students for start-up their own business. This course covers end to end skills on Advanced Plumbing it covers all the key aspects through orientation of different types of pipes and fittings, Advanced materials.	
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: Grade 10 pass OR Grade 8 pass with two years of (NTC/ NAC) after 8th OR 9th Grade pass with 1.5 -year relevant experience OR 8th Grade pass with 3 -year relevant experience OR 5th grade pass with 7.5-year relevant experience OR Previous relevant Qualification of NSQF Level 2.5 with 1.5-year relevant experience OR Previous relevant Qualification of NSQF Level 2 with 1.5-year relevant experience b. Age: Minimum Age: 15 Years	

10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	13	11. Common Cost Norm Category (I/II/III) (wherever applicable):																					
12.	Any Licensing requirements for Undertaking Training on This Qualification (wherever applicable)	NA																						
13.	Training Duration by Modes of Training Delivery (Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)	☐Offline ☐Online ☐Blended <table><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>93</td><td>177</td><td>120</td><td></td><td>390</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)	93	177	120		390	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																			
Classroom (offline)	93	177	120		390																			
Online																								
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	7126.0101 - Plumber, General																						
15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	• Technician (Plumbing) → Sr. Technician (Plumbing) → Supervisor (Plumbing)																						
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	No																						
17.	Is similar Qualification(s) available on NQR-if yes, justification for this qualification	☐ Yes ☒ No URLs of similar Qualifications:																						
18.	Is the Job Role Amenable to Persons with Disability	☐ Yes ☒ No If “Yes”, specify applicable type of Disability:																						
19.	How Participation of Women will be Encouraged																							
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: Nagaraja NM, IAS Managing Director Karnataka Skill Development Corporation. Bangalore-29, Karnataka Email: md.ksdc@karnataka.gov.in Website: https://kaushalkar.karnataka.gov.in/en Contact No.: 080 2952 2222																						
23.	Final Approval Date by NSQC:	24. Validity Duration: 3 years		25. Next Review Date																				

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. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF 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.	Comply with workshop health and safety guidelines		Non core	3	1	5	25			30	2	4		3	9	9
2.	Able to understand and create Plumbing drawings. (Water system cold, hot, sanitation & drainage.) and work on System Safety (system set up to run properly, efficiently & safely)		Core	3	1	8	22			30	2	4		3	9	9
3.	Able to Install and repair (for waste, drainage, venting systems, and plumbing fixtures: sinks, faucets, sanitary wares, toilets, etc.)		Core	3	1	10	20			30	2	4		3	9	9
4.	Able to Install sensor basin Faucet, and understand the internal parts such as Solenoid valve, battery box battery, etc.		Core	3	1	10	20			30	3	6		5	14	14
5.	Able to Install Advanced Pipes & Fittings in current used in Residential units, practices at par with American & European Standards.		Core	3	1	10	20			30	4	6		5	15	15
6.	Understand the standard Operating Practices (SOP) to be followed during installation of		Core	3	1	10	20			30	2	4		3	9	9

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF 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)
	pipes, Fittings and Faucets.															
7.	Assignments (Based on case studies and Industrial application)		core	3	2	30	30			60	3	5		5	13	13
8.	Mini Project (Based on Industrial application)		Non core	3	4			120		120	3	6		5	14	14
9.	Employability skill			3	1	10	20			30	2	4		2	8	8
Duration (in Hours) / Total Marks					13	93	177	120	0	390	23	43	0	34	100	100

Elective NOS/s:

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF 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.																
2.																
Duration (in Hours) / Total Marks																

Optional NOS/s:

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF 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.																
2.																
Duration (in Hours) / Total Marks																

Assessment - Minimum Qualifying Percentage

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

Minimum Pass Percentage – Aggregate at qualification level: 70% (Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)

Minimum Pass Percentage – NOS/Module-wise: ____% (Every Trainee should score specified minimum passing percentage in each mandatory and selected elective NOS/Module to successfully clear the assessment.)

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Graduate in Engineering with 2-year experience in relevant field and domain certification.
2.	Master Trainer's Qualification and experience in the relevant sector (in years) (as per NCVET guidelines)	Graduate in Engineering with 4-year experience in relevant field and domain certification.
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)	B. Tech in Engineering with 10-year experience in relevant field.
2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	B. Tech in Engineering with 2-year experience in relevant field.
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	B. Tech in Engineering with 5-year experience in relevant field.
4.	Assessment Mode (Specify the assessment mode)	Offline
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)

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

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

Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrf/NSQF level justification based on NCrf level/NSQF descriptors <i>(Mandatory)</i>	Annexure 1
2.	Annexure: List of tools and equipment relevant for qualification <i>(Mandatory, except in case of online course)</i>	Annexure 2
3.	Annexure: Detailed Assessment Criteria <i>(Mandatory)</i>	Annexure 6
4.	Annexure: Assessment Strategy <i>(Mandatory)</i>	Annexure 7
5.	Annexure: Blended Learning <i>(Mandatory, in case selected Mode of delivery is "Blended Learning")</i>	NA
6.	Annexure: Multiple Entry-Exit Details <i>(Mandatory, in case qualification has multiple Entry-Exit)</i>	NA
7.	Annexure: Acronym and Glossary <i>(Optional)</i>	Annexure 8
8.	Supporting Document: Model Curriculum <i>(Mandatory – Public view)</i>	Model Curriculum
9.	Supporting Document: Career Progression <i>(Mandatory - Public view)</i>	
10.	Supporting Document: Occupational Map <i>(Mandatory)</i>	
11.	Supporting Document: Assessment SOP <i>(Mandatory)</i>	
12.	Any other document you wish to submit:	

Annexure 1: Evidence of Level

NCRF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCRF/NSQF level descriptor	NCRF/NSQF Level
Professional Theoretical Knowledge/Process	- Plumber or Plumbing technician is expected to have professional knowledge of the Repair, maintenance, installation, & Testing of plumbing systems. - Professional Knowledge of visual inspection techniques and methods and techniques to check the tool's leakages in plumbing, instrument calibration Generic knowledge of Common symbols and technique to read the plumbing diagram. - Plumber or Plumbing technician is expected to assist in reading plumbing drawing, creating SOP, Selection of material & Process of joining. - Plumber or Plumbing technician assist in Ring Fit & Seal fit Jointing / installation method - Plumber or plumbing assistance assist in advanced drain cleaning systems, faucets and sanitary ware installation process & general maintenance, - Candidate has to maintain the work area, tools and instruments and ensure good working condition of required tools and instruments. - The activities identified requires routine and limited range of activities for him as these activities are independent of job and worksite he is deployed on.	- Plumber or Plumbing technician learns about the plumbing drawing reading and knowledge of material selection, adhesion selection & testing equipment selection as per their applications. - Plumber or Plumbing technician understands the various pipe joining process, reading of plumbing drawing, making SOP's for safety workplaces hands-on practical. And also, modification when required.	NSQF Level 3
Professional and Technical Skills/ Expertise/ Professional Knowledge	- Plumber or Plumbing technician is ready to work on new plan or existing building, able to identify the risk in workplaces. With this professional skill able to estimate the cost of plumbing project or even suggest the cost saving methods in selection of material, process flow plan, adhesion technology, etc. - This skill is inspecting and detect the fault by visual and flow pressure experiences. Perform installation and maintenance of electrical / electronic and instrumentation as per the maintenance schedule/manual and under mechanic's instructions He conducts the basic repair as per laid procedure using appropriate tools, He keeps the tools and instruments in working condition.	Plumber or Plumbing technician will able to develop the skills to detect the problems/faults to analyse the required maintenance and keeps the system running also maintain the procedures and precautions to follow while working.	NSQF Level 3

Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	Technical Skills: - Knowledge of Plumbing Systems: - Plumbers need a thorough understanding of water distribution and disposal systems, heating and ventilation, and various plumbing fixtures. Tool Proficiency: - They must be adept at using a variety of tools, including pipe wrenches, pipe cutters, and other specialized equipment. Reading Blueprints and Diagrams: - Interpreting technical drawings is essential for proper installation and repairs. Troubleshooting: - The ability to diagnose plumbing issues and develop effective solutions is critical. Adherence to Safety Regulations: - Plumbers must understand and follow safety guidelines to prevent accidents and ensure a safe working environment. Basic Mathematical Skills: - Plumbers use calculations for measurements, pipe sizing, and material estimation. Interpersonal and Communication Skills: - Clear Communication - Customer Service - Teamwork - Problem-Solving - Physical Stamina - Attention to Detail - Time Management - Adaptability	Understanding of Plumbing Systems: - NSQF Level 3 plumbers need to understand basic plumbing systems, including pipework, fixtures, and drainage. Employability skills like attention to detail, and knowledge of different piping systems (e.g., copper, PVC) are essential for proper installation and maintenance. Basic Installation and Repair: - Level 3 plumbers are expected to perform basic tasks like cutting, threading, and joining pipes, as well as installing and repairing common fixtures like faucets and toilets. Strong practical skills and the ability to follow instructions are crucial here. Problem-Solving: - While complex troubleshooting might be handled by higher-level plumbers, Level 3 individuals need to be able to identify and address basic issues in plumbing systems. This requires analytical skills and the ability to apply knowledge to practical situations. These task will be carried out successfully when the plumber has excellent communication and interpersonal skills duly performed with work ethics and professionalism.	NSQF Level 3
Broad Learning Outcomes/Core Skill	- Plumber or plumber technician can read the schematic plumbing drawing of system and other electrical components effectively to work on it accordingly with inspection, repairing skills. - Job holder is expected to conduct themselves in ways, which show a basic understanding of the social and professional environment of working at workshops and on field visits.	- Plumber or plumber technician builds the skills to match the current industry requirement, inspection, understand the diagrams, develop communication skills. - Job holder will learn key skills that enhance the overall knowledge of plumbing technician.	NSQF Level 3
Responsibility	The jobholder is responsible to: Assist in preparing Plumbing drawings (Water system cold,	Plumber or plumbing technician will further responsible for the different challenges like	NSQF Level 3

	hot, sanitation & drainage.), • Ability to address the risk and work on systems safety (assist to develop system set up to run properly, efficiently & safely) • Install and repair (for waste, drainage, and venting systems) • Install and repair plumbing fixtures (sinks, faucets, sanitary wares, toilets, etc.) • Installation of Sensor Basin Faucet, study of internal parts such as Solenoid valve, battery box with battery. • Installation of Advanced Pipes & Fittings in current used in Residential units, practices at par with American & European Standards. • Ability to create Standard Operating Practices (SOP) to be followed during installation of pipes, Fittings and Faucets. • Maintain tools and work area He has the limited responsibility for own work and majorly function in close supervision in his routine activity he is responsible for his own work.	troubleshooting and diagnosis of systems, breakdown repair, routine maintenance if required.	
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Annexure 2: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size:

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	Solar water heater system		1 No
2	Rain Water Harvesting		1 No
3	Soak Pit		1 No
4	Water leak detector		1 No
5	Touchless Faucet		1 No
6	Water meter		1 No
7	Sprinklers and other fire suppression systems		1 No
8	Ranger bathtub		1 No
9	kitchen sink and fitting		1 No
10	Water closet (European type p) complete with overhead cistern		1 No
11	Telescopic pipe cutter		1 No
12	Drain or chockup Rods		1 No
13	Wall Chaser machine		1 No
14	Pressure testing machine		1 No
15	Plumber tool kit		1 No
TRAINEES TOOL KIT			
16	Steel rule	30 cm & 60 cm graduated both in English & Metric units	20 Nos
17	Hand Gloves	—	10 Nos
18	Safety Shoes	—	10 Nos
19	Helmet	—	10 Nos

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Laptop
2. Whiteboard and Markers
3. Projector
4. Screen
5. Stationary

Annexure 3: 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)

Annexure 4: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities

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:

1.
2.

Content availability for previous versions of qualifications:

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

Languages in which Content is available:

Annexure 5: Blended Learning

Blended Learning Estimated Ratio & Recommended Tools:

Refer NCVET “Guidelines for Blended Learning for Vocational Education, Training & Skilling” available on:

<https://ncvet.gov.in/sites/default/files/Guidelines%20for%20Blended%20Learning%20for%20Vocational%20Education,%20Training%20&%20Skilling.pdf>

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		
2	☐ Imparting Soft Skills, Life Skills, and Employability Skills /Mentorship to Learners		
3	☐ Showing Practical Demonstrations to the learners		
4	☐ Imparting Practical Hands-on Skills/ Lab Work/ workshop/ shop floor training		
5	☐ Tutorials/ Assignments/ Drill/ Practice		
6	☐ Proctored Monitoring/ Assessment/ Evaluation/ Examinations		
7	☐ On the Job Training (OJT)/ Project Work Internship/ Apprenticeship Training		

Annexure 6: 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
Comply with workshop health and safety guidelines	PC 1. Follow safety, health, and environmental guidelines during plumbing work.				
	PC 2. Use appropriate PPE and tools safely.				
	PC 3. Identify and mitigate risks related to plumbing installations.				
	PC 4. Maintain a clean and hazard-free work area				
	Total Marks	2	4		3
Able to understand and create Plumbing drawings. (Water system cold, hot, sanitation & drainage.) and work on System Safety (system set up to run properly, efficiently & safely)	PC 1. Understand and interpret plumbing drawings for cold water, hot water, sanitation, and drainage systems.				
	PC 2. Create basic plumbing layout drawings.				
	PC 3. Ensure system setup for proper, efficient, and safe operation.				
	PC 4. Verify compliance with safety standards in system design.				
	Total Marks	2	4		3
Able to Install and repair (for waste, drainage, venting systems, and plumbing fixtures: sinks, faucets, sanitary wares, toilets, etc.)	PC1. Install and repair waste, drainage, and venting systems.				
	PC2. Fit and maintain plumbing fixtures such as sinks, faucets, toilets, and sanitary wares.				
	PC3. Perform leak tests and ensure proper sealing.				
	PC4. Troubleshoot and resolve common plumbing issues.				
	Total Marks	2	4		3
Able to Install sensor basin Faucet, and understand the internal parts such as Solenoid valve, battery box battery, etc.	PC1. Install sensor basin faucets and configure them correctly.				
	PC2. Identify and understand internal components: solenoid valve, battery box, battery, etc.				
	PC3. Test functionality and troubleshoot sensor systems.				
	PC4. Replace or repair faulty components.				
	Total Marks	3	6		5
Able to Install Advanced Pipes & Fittings in current used in Residential units, practices at par with American & European Standards.	PC1. Install modern piping systems used in residential units.				
	PC2. Work with advanced fittings and materials aligned with American and European standards.				
	PC3. Apply correct joining techniques (e.g., solvent welding, crimping, threading).				
	PC4. Ensure durability and compliance with international plumbing codes.				
	Total Marks	4	6		5
Understand the standard Operating Practices (SOP)	PC1. Follow SOPs during installation of pipes, fittings, and faucets.				
	PC2. Document installation procedures and inspections.				

to be followed during installation of pipes, Fittings and Faucets	PC3 Ensure quality control and adherence to manufacturer guidelines.				
	PC4 Maintain records of maintenance and repairs.				
	Total Marks	2	4		3
Assignments	PC1. Based on case studies and Industrial application				
	Total Marks	3	5		8
Mini Projects (Based on case studies and Industrial application)	- PC1. Conducting Market survey / Market Research - PC2. Addressing basic problems in society / industry by using empathize tool. - PC3. Concept Design a specific product in line with current customer needs - PC4. Brainstorming sessions with industry experts to design specific product - PC5. creating plumping prototype - PC6. Exposure to Product Innovation				
	Total Marks	3	6		5
Employability Skills	- PC1. Understanding the Significance of Employability skills - PC2. Identification the Constitutional values - PC3. Explaining Becoming a professional in the 21st century - PC4. Speak with Others in Basic English skills - PC5. Significance of Career development and goal setting - PC6. Etiquette of Communication skills - PC7. Use Various Financial and legal literacy - PC8. Awareness to Essential Digital Skills				
	Total Marks	2	4		2
Grand Total		23	43		34

Annexure 7: 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 assigned to the assessment agencies for conducting the assessment on SIP or email
- Assessment agencies send the assessment confirmation to VTP/TC looping SSC
- Assessment agency deploys the ToA certified Assessor for executing the assessment
- SSC monitors the assessment process & records

2. Testing Environment:

- Check the Assessment location, date and time
- If the batch size is more than 30, then there should be 2 Assessors.
- 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 Subject Matter Experts (SME) are verified by the other SME
- Questions are mapped to the specified assessment criteria
- Assessor must be ToA certified & trainer must 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

6. Method for assessment documentation, archiving, and access

- Hard copies of the documents are stored

On the Job:

1. Each module will be assessed separately.
2. The candidate must score 60% in each module to successfully complete the OJT.
3. Tools of Assessment that will be used for assessing whether the candidate is having desired skills and etiquette of dealing with customers, understanding needs & requirements, assessing the customer and perform Soft Skills effectively:
 - Videos of Trainees during OJT
4. Assessment of each Module will ensure that the candidate is able to:
 - Effective engagement with the customers
 - Understand the working of various tools and equipment

Annexure 8: Acronym and Glossary

Acronym

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

Glossary

Term	Description
National Occupational Standards (NOS)	NOS define the measurable performance outcomes required from an individual engaged in a particular task. They list down what an individual performing that task should know and also do.
Qualification	A formal outcome of an assessment and validation process which is obtained when a competent body determines that an individual has achieved learning outcomes to given standards
Qualification File	A Qualification File is a template designed to capture necessary information of a Qualification from the perspective of NSQF compliance. The Qualification File will be normally submitted by the awarding body for the qualification.
Sector	A grouping of professional activities on the basis of their main economic function, product, service or technology.
Long Term Training	Long-term skilling means any vocational training program undertaken for a year and above. https://ncvet.gov.in/sites/default/files/NCVET.pdf