Model Curriculum

QP Name: Supervisor - Electrical Works (Technical)

QP Code: CON/Q0605

Version: 3.0

NSQF Level: 5.5

Model Curriculum Version: 3.0

Construction Skill Development Council of India|| Tower 4B, DLF Corporate Park, 201&, 202 4B, Mehrauli-Gurgaon Rd, DLF Phase 3, Gurugram, Haryana 122002

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Training Parameters

Sector	Construction
Sub-Sector	Real Estate and Infrastructure construction
Occupation	Construction Electrical Works
Country	India
NSQF Level	5.5
Aligned to NCO/ISCO/ISIC Code	NCO-2015/3123.0400
Minimum Educational Qualification and Experience	Completed 3rd year of 3-year/ 4-year UG OR Completed 2nd year diploma after 12th with 1-year relevant experience OR Completed 2nd year of 3-year UG with 1-year relevant experience OR Completed 3-year diploma (after 10th) with 2-year relevant experience OR 12th Grade pass with 3-year relevant experience OR Previous relevant Qualification of NSQF Level 5 with 1.5-year relevant experience OR Previous relevant Qualification of NSQF Level 4.5 with 3 years relevant experience
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	31/03/2022
Next Review Date	31/03/2025

NSQC Approval Date	31/03/2022
QP Version	3.0
Model Curriculum Creation Date	06/10/2023
Model Curriculum Valid Up to Date	31/03/2025
Model Curriculum Version	3.0
Minimum Duration of the Course	660 Hours
Maximum Duration of the Course	660 Hours
Rationalisation Date	18/04/2024

Program Overview

This section summarises the end objectives of the program along with its duration.

Training Outcomes

At the end of the program, the learner should have acquired the listed knowledge and skills to:

- Explain how to provide work related information to the concerned engineer and subordinates.
- Demonstrate organizing and deploying resources as per electrical work requirement.
- Show how to monitor the execution of electrical works at the construction site.
- Explain the importance of working effectively in a team to deliver desired results at the workplace.
- Elucidate ways to plan and organize work to meet expected outcomes.
- Elucidate ways to work according to personal health, safety and environment protocols at the construction site.
- Discuss the applicable employability skills.

Compulsory Modules

The table lists the modules and their duration corresponding to the Compulsory NOS of the QP.

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
CON/N0614: Provide work related information to concerned engineer and subordinates **NOS Version- 3.0** **NSQF Level- 5.5**	**30:00**	**60:00**	**30:00**	**00:00**	**120:00**
Module 1: Introduction to the Role of a Supervisor - Electrical Works (Technical)	05:00	00:00	0:00	00:00	05:00
Module 2: Providing work related information to the concerned engineer and subordinates	25:00	60:00	30:00	00:00	115:00
CON/N0615: Organise and deploy resources as per electrical work requirement **NOS Version- 3.0** **NSQF Level- 5.5**	**45:00**	**75:00**	**60:00**	**00:00**	**180:00**

Module 3: Organizing and deploying resources as per electrical work	45:00	75:00	60:00	00:00	180:00
CON/N0616: Monitor the execution of electrical works at the construction site **NOS Version- 3.0** **NSQF Level- 5.5**	**60:00**	**150:00**	**30:00**	**00:00**	**240:00**
Module 4: Monitoring the execution of electrical works	60:00	150:00	30:00	00:00	240:00
CON/N9002 Manage workplace for safe and healthy work environment **NOS Version- 2.0** **NSQF Level -5**	**15:00**	**15:00**	**00:00**	**00:00**	**30:00**
Module 5: Manage safety and healthy at workplace	15:00	15:00	00:00	00:00	30:00
DGT/VSQ/N0103: Employability Skills **NOS Version- 1.0** **NSQF Level- 5**	**90:00**	**00:00**	**00:00**	**00:00**	**90:00**
Module 6: Employability Skills	90:00	00:00	00:00	00:00	90:00
Total Duration	**240:00**	**300:00**	**120:00**	**00:00**	**660:00**

Module Details

Module 1: Introduction to the Role of a Supervisor - Electrical Works (Technical)

Mapped to CON/N0614, v3.0

Terminal Outcomes:

- Discuss the job role of a Supervisor - Electrical Works (Technical).

Duration: 05:00	**Duration**: 0:00
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
• Describe the size and scope of the Construction industry and its sub-sectors. • Discuss the role and responsibilities of a Supervisor - Electrical Works (Technical). • Identify various employment opportunities for a Supervisor - Electrical Works (Technical).	
Classroom Aids	
Training Kit - Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop, Video Films	
Tools, Equipment and Other Requirements	
NA	

Module 2: Providing Work Related Information to the Concerned Engineer and Subordinates

Mapped to CON/N0614, v3.0

Terminal Outcomes:

- Explain the concerned engineer about work status and material/ resource requirement.
- Elucidate the subordinate workers on work methods, safety norms, and time lines.

Duration: 25:00	**Duration: 60:00**
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
• Explain about the electrical drawings and methods to extract technical specification from it. • Estimate the quantity of required manpower, equipment, materials and tools from the electrical drawings. • Discuss about the handling, and storing methods for different electricals materials as per standard practice. • Elaborate the different types of activities involved in the electrical work as per the sequence, work plan and standard method. • Discuss on the standard work method, and quality of electrical materials/accessories as per standard code of practice. • Elaborate the concept of safety policies, safety precaution, different types of hazards and its preventive measures related to electrical work.	• Demonstrate the methods to make work plan according to the sequence of work/electrical activities. • Show how to assist to the concerned engineer for making/ modifying work plan and for sequencing of electrical activities. • Show how to brief the concerned engineer about location of electrical installations/maintenance and status of work with respect to planned target. • Demonstrate the process of informing to concerned authorities regarding the stopping/ suspending of construction/ other activities. • Show how to provide requirement for the construction equipment/vehicles to the concerned authority for executing the electrical works. • Demonstrate the reporting procedure for the hazards, breakdown/ mobilization, work delay/ stoppage, quality issues, other unsafe work-related cause. • Demonstrate to inform the subordinates about scopes and timelines for their respective work/ activities. • Show how to guide the subordinate to use tools, electrical measuring devices, material handling/ storing

	and follow the sequence of activities. ● Demonstrate how to brief the subordinates about the standard procedure of handling and storing of electrical fixtures, materials and devices. ● Show how to handle the hazards and risks involved in working at height, working with live electrical power lines and working in proximity with heavy electrical machineries. ● Demonstrate the applicable rules regarding using the PPE during electrical installations and maintenance. ● Demonstrate the practices involved in emergency treatment/ first aid in case of electrical shocks, burns and fall from height. ● Demonstrate the procedures for reporting and record maintenance during electrical works or under emergency situations.
Classroom Aids	
Training Kit (Trainer Guide, Presentations). Whiteboard, Marker, Projector, Laptop	
Tools, Equipment and Other Requirements	
Screw Drivers, Wire Cutters, Wire Strippers, Pliers, Hammers, Hacksaws, Chisels, Spanners (Set), Wrenches, Measuring Tape, Spirit Level, Plumb-Bob, Mason's Line, Multi-Meter, Tester, Drilling Machine, Hand Cutting Machine, Cables, Wires, Sockets, Switches, Lights, Conduits (Flexible And Rigid), Raceways, Vibrators, Bar Cutting Machine, Bar Bending Machine, Water Pumps	

Module 3: Organizing and Deploying Resources as per Electrical Work

Mapped to CON/N0615, v3.0

Terminal Outcomes:

- Show how to organize resources for electrical works at the construction site.
- Demonstrate deploying of the material and manpower as per requirement of electrical works.

Duration: 45:00	**Duration: 75:00**
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
• Explain the concept of the electrical works to be conducted in sequence as per construction work requirements. • Discuss about the urgency/need of construction works for prioritizing electrical activity. • Describe the specification and statutory requirements of electrical installations and maintenances. • Explain the concept material indent. • Elaborate the methods to check the physical stock of electrical materials/ equipment/ tools. • Discuss the methods to monitor the consumption of electrical fixtures/ materials and minimization of wastage. • Elaborate the concept of material requisition vouchers with respect to actual requirement and method of calculation of material quantity for electrical works as per standard practice. • Discuss about the manpower allocation as per nature and quantum of work. • Describe the methods for keeping records of engaged manpower and work progress.	• Demonstrate to collate information from drawings/ work plan regarding requirement of electrical tools, devices, fixtures etc. necessary for conducting electrical repair/ maintenance work at site. • Show how to check the specification and number of electrical goods as per requirements. • Demonstrate the method to coordination with store for availability of required electrical goods and method to report to concerned senior if found otherwise. • Demonstrate to plan and perform indent for the required materials and take necessary approval from concerned engineer. • Demonstrate the practice to sort and stack re-usable electrical goods separately at designated locations to minimize/ control wastage. • Show how to compute the quantity of consumable materials considering the sequence and stage of activities and report to superior in advance. • Show how to interpret electrical drawing, work plan, specifications and guidelines (if required) prior to checking the material requisition vouchers. • Demonstrate the effective mobilization of manpower specific to

	the electrical works as per requirement. ● Demonstrate the methods to coordinate with sub-contractors to finalize work measurements and labour report.
Classroom Aids	
Training Kit (Trainer Guide, Presentations). Whiteboard, Marker, Projector, Laptop	
Tools, Equipment and Other Requirements	
Wall Chasing Chisel, Hammer, Hacksaw, File, Marking Tools, Table Vice, Stock And Die Set, Pipe Cutter To Cut Pipes, Hand Brooms, Shovels, Screw Driver Set, Measuring Tape, Spirit Level, Plumb-Bob, Mason's Line , Cutting Machine, Drilling Machine, Power Source, Rigid Conduits, Flexible Conduit, Clamps For Conduits, Screws, Helmet , Safety Shoes, Safety Belt, Cotton Hand Gloves, Goggles, Reflective Jackets, Safety Message Boards, Fire Extinguishers, Sand Buckets	

Module 4: Monitoring the Execution of Electrical Works

Mapped to CON/N0616, v3.0

Terminal Outcomes:

- Explain how to monitor the progress of electrical work at construction site.
- Show how to check the quality and safety of the electrical works.

Duration: 60:00	**Duration: 150:00**
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
• Discuss the concept of compatibility of electrical fixtures as per type of installation and power rating. • Explain the different types of hazards involved in electrical works and its preventive measures. • Describe the method of electrical isolation as per standard electrical norms. • Explain the concept of time schedule and milestones for electrical works. • Discuss the applicable statutory requirements for electrical installations and maintenances. • Elaborate the method of inspection of the electrical connections/ installations as per specifications or manufacturer's guidelines. • Discuss about the specification, power rating, number and brand of electrical fixtures to be used in electrical circuits as per applicable. • Elaborate the planning schedule of preventive maintenance activities for temporary electrical works • Explain the standard procedure of major tests and diagnostic methods for electrical works. • Describe the method of installation of electrical accessories and repair of faults/ defects for the electrical works. • Discuss about the manufacturer's	• Demonstrate to prioritize the activities involved in electrical works and monitor the progress as per the timeline, work plan and compliances. • Demonstrate to record and maintain 'as-built' details/drawings of the permanent and modified electrical works. • Demonstrate methods to ensure proper access/work platform is created prior to undertake electrical connections at height/ confined space. • Show how to coordinate with concerned authority/other department during electrical maintenance/ repairing works. • Demonstrate how to evaluate any types of hazards involved during electrical operations and ensure safety measures as per applicable electrical norms. • Show how to check to ensure isolation and preventive maintenance of electrical installations/electrical units as per standard practice. • Demonstrate to provide alternative option for installation/maintenance work if required one is not available. • Demonstrate to ensure that all installations, troubleshooting and repair of temporary electrical works on site are carried out using correctly calibrated device as per manufacturers guidelines/applicable specifications. • Show how to ensure that all electrical installations are safely protected against rain, fire, access of unauthorized person and also erection of safety signage/display.

instructions for electrification of plant and machinery on site	
Classroom Aids	
Training Kit (Trainer Guide, Presentations). Whiteboard, Marker, Projector, Laptop	
Tools, Equipment and Other Requirements	
Trowel, Pointing Trowel, Shovel, Mortar Pan, Spade, Pick Axe, GI Bucket 5L Capacity, Wheel Barrow, Lime Powder, Wooden Pegs, Hammer, Hard Broom, Source of Water, Ladder, Measuring Tape, Mason's Line, Hand Roller, Plate Vibrator, Power Source, Helmet, Safety Shoes, Cotton Hand Gloves, Goggles, Reflective Jackets, Safety Message Boards	

Module 5: Manage workplace for safe and healthy work environment

Mapped to NOS CON/N9002 v2.0

Terminal Outcomes:

- Discuss about maintaining a healthy and safe working environment at the construction site.
- Identify risks and other emergency situations at the workplace and respond accordingly to minimise risk.
- Explain methods of sanitization and infection control measures followed at the construction site.

Duration: 15:00	**Duration: 15:00**
Theory – Key Learning Outcomes	**Practical – Key Learning Outcomes**
• Explain the various types of hazards at construction sites and procedures to respond in case of any emergency or accidents. • Discuss about the various personal protective equipment (PPE) used during various construction works. • Describe the safe work practices to be followed while performing tasks. • Discuss the methods to ensure the workplace safety and good health of workers. • Explain the safe ways for using tools, tackles, equipment and materials as specified by the Environment, Health and Safety (EHS) department. • Discuss the policies, guidelines and other requirements related to workplace safety as per EHS department/ government norms. • Describe the various types of infectious disease, their symptoms and control, at the construction site. • Discuss the medical guidelines, national legislation, local policies and protocols regarding spread of infectious disease.	• Demonstrate effective implementation of the health and safety plan for all the subordinates at the construction site. • Perform checks to ensure the safe handling, stacking and storing of tools, tackles, equipment and materials at the workplace. • Demonstrate effective use of proper PPE by the subordinates. • Demonstrate provision for proper entrance and exit from confined spaces, excavated pits and other locations of the workplace, as per safety recommendations. • Demonstrate the use of fire protection equipment for different types of fire hazards. • Demonstrate ways to create awareness about organisational policies and procedures associated with the health, safety and welfare of construction workers. • Demonstrate the procedures for identifying, recording and reporting hazards/accidents/hazards of any infectious disease/ pandemic as per organisational and statutory requirements. • Demonstrate effective implementation of control measures

	to reduce risks. ● Demonstrate vertigo test. ● Demonstrate the practices to maintain personal hygiene, workplace hygiene and site/ workplace sanitization.
Classroom Aids:	
Black/White board, marker, Projector/LED Monitor, Computer, Trade specific charts, Safety Tags, Safety Notice board, registers and other teaching aids	
Tools, Equipment and Other Requirements	
Leather Hand Gloves, Jumpsuit, Wire brush, Hand and Leg guard leather, Safety goggles, Nose mask, Ear protection, Fire extinguishers, Sand buckets Flashback arrestors, Welding helmet, Welding glass, Fire Extinguisher, Fire prevention kit, First Aid box, Safety Tags, Safety Notice board	

Module 6: Employability Skills

Mapped to DGT/VSQ/N0103, v1.0

Duration: 90:00
Key Learning Outcomes
Introduction to Employability Skills Duration: 3 Hours After completing this programme, participants will be able to: 1. Outline the importance of Employability Skills for the current job market and future of work 2. List different learning and employability related GOI and private portals and their usage 3. Research and prepare a note on different industries, trends, required skills and the available opportunities **Constitutional values – Citizenship Duration: 1.5 Hours** 4. Explain the constitutional values, including civic rights and duties, citizenship, responsibility towards society and personal values and ethics such as honesty, integrity, caring and respecting others that are required to become a responsible citizen 5. Demonstrate how to practice different environmentally sustainable practices **Becoming a Professional in the 21st Century Duration: 5 Hours** 6. Discuss relevant 21st century skills required for employment 7. Highlight the importance of practicing 21st century skills like Self-Awareness, Behavior Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn etc. in personal or professional life 8. Create a pathway for adopting a continuous learning mindset for personal and professional development **Basic English Skills Duration: 10 Hours** 9. Show how to use basic English sentences for everyday conversation in different contexts, in person and over the telephone 10. Read and understand text written in basic English 11. Write a short note/paragraph / letter/e -mail using correct basic English **Career Development & Goal Setting Duration: 4 Hours** 12. Create a career development plan 13. Identify well-defined short- and long-term goals **Communication Skills Duration: 10 Hours** 14. Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette 15. Write a brief note/paragraph on a familiar topic

16. Explain the importance of communication etiquette including active listening for effective communication
17. Role play a situation on how to work collaboratively with others in a team

Diversity and Inclusion Duration: 2.5 Hours

18. Demonstrate how to behave, communicate, and conduct appropriately with all genders and PwD
19. Discuss the significance of escalating sexual harassment issues as per POSH act

Financial and Legal Literacy Duration: 10 Hours

20. Discuss various financial institutions, products, and services
21. Demonstrate how to conduct offline and online financial transactions, safely and securely and check passbook/statement
22. Explain the common components of salary such as Basic, PF, Allowances (HRA, TA, DA, etc.), tax deductions
23. Calculate income and expenditure for budgeting
24. Discuss the legal rights, laws, and aids

Essential Digital Skills Duration: 20 Hours

25. Describe the role of digital technology in day-to-day life and the workplace
26. Demonstrate how to operate digital devices and use the associated applications and features, safely and securely
27. Demonstrate how to connect devices securely to internet using different means
28. Follow the dos and don'ts of cyber security to protect against cyber crimes
29. Discuss the significance of displaying responsible online behavior while using various social media platforms
30. Create an e-mail id and follow e- mail etiquette to exchange e -mails
31. Show how to create documents, spreadsheets and presentations using appropriate applications
32. utilize virtual collaboration tools to work effectively

Entrepreneurship Duration: 7 Hours

33. Explain the types of entrepreneurship and enterprises
34. Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan
35. Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement
36. Create a sample business plan, for the selected business opportunity

Customer Service Duration: 9 Hours

37. Classify different types of customers

38. Demonstrate how to identify customer needs and respond to them in a professional manner
39. Discuss various tools used to collect customer feedback
40. Discuss the significance of maintaining hygiene and dressing appropriately

Getting ready for apprenticeship & Jobs Duration: 8 Hours

41. Draft a professional Curriculum Vitae (CV)
42. Use various offline and online job search sources to find and apply for jobs
43. Discuss the significance of maintaining hygiene and dressing appropriately for an interview
44. Role play a mock interview
45. List the steps for searching and registering for apprenticeship opportunities

Module 7: On-the-Job Training

Mapped to Supervisor - Electrical Works (Technical)

Mandatory Duration: 120:00	Recommended Duration: 00:00
Location: On-Site	

Terminal Outcomes

- Show how to Explain the concerned engineer about work status and material/ resource requirement.
- Show the subordinate workers importance of work methods, safety norms, and time lines.
- Show how to monitor the execution of electrical works at the construction site.
- Demonstrate the ways to manage workplace for safe and heal Explain the concerned engineer about work status and material/ resource requirement.
- Show how to organize resources for electrical works at the construction site.
- Demonstrate deploying of the material and manpower as per requirement of electrical works.
- Demonstrate about maintaining a healthy and safe working environment at the construction site.
- Show how to identify risks and other emergency situations at the workplace and respond accordingly to minimise risk.
- Demonstrate the methods of sanitization and infection control measures followed at the construction site.
- Elucidate the subordinate workers on work methods, safety norms, and time lines.

Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	**Specialisation**	**Relevant Industry Experience**		**Training Experience**		**Remarks**
		Years	***Specialization***	***Years***	***Specialization***	
B. Tech	Civil/Mechanical/ Electrical	8	Construction Electrical Works	0	-	
Diploma	Civil/Mechanical/ Electrical	10	Construction Electrical Works	0	-	
ITI	Civil/Mechanical/ Electrical	13	Construction Electrical Works	0	-	
General BA/BSc./ EX-Army/ 12th	Civil/Mechanical/ Electrical	13	Construction Electrical Works	0	-	

Trainer Certification	
Domain Certification	**Platform Certification**
Recommended that the Trainer is certified for the Job Role: "Supervisor - Electrical Works", mapped to the Qualification Pack: "CON/Q0605, v3.0". The minimum accepted score is 80%.	Recommended that the Trainer is certified for the Job Role: "Trainer (VET and skills)", mapped to the Qualification Pack: "MEP/Q2601, v3.0". The minimum accepted score is 80%.

Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	**Specialization**	**Relevant Industry Experience**		**Training/Assessment Experience**		**Remarks**
		Years	***Specialization***	***Years***	***Specialization***	
B. Tech	Civil/Mechanical/ Electrical	8	Construction Electrical Works	0	-	
Diploma	Civil/Mechanical/ Electrical	10	Construction Electrical Works	0	-	
ITI	Civil/Mechanical/ Electrical	13	Construction Electrical Works	0	-	

Assessor Certification	
Domain Certification	**Platform Certification**
Recommended that the Assessor is certified for the Job Role: "Supervisor - Electrical Works", mapped to the Qualification Pack: "CON/Q0605, v3.0". The minimum accepted score is 80%.	Recommended that the Assessor is certified for the Job Role: "Assessor (VET and skills)", mapped to the Qualification Pack: "MEP/Q2701, v3.0". The minimum accepted score is 80%.

Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the Candidate on the required competencies of the program.

1. Assessment System Overview:

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

2. Testing Environment:

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

3. Assessment Quality Assurance levels/Framework

- Assessment criteria is developed for each QP which acts as a guide for developing question set /banks
- Sample questions aligned with Assessment criteria for each QP are developed by SSC and validated by industry
- Taking reference of Assessment criteria and Sample Questions, AAs create the question bank which is further validated by SSC
- Questions are mapped to the specified assessment criteria
- It is mandatory that Assessor and Trainer must be ToA certified & ToT Certified respectively
- Continuous Monitoring through virtual and In-person mode are conducted to ensure the assessment is conducted as per stipulated process
- Process and Technical audit of assessment batches by quality team are conducted to avoid the errors in assessment process
- A well -defined comprehensive framework of NON-COMPLIANCE MATRIX is defined and implemented to identify the non-compliance made by assessor and AA and punitive actions are taken correspondingly.

- The capacity building sessions are conducted regularly for assessors and assessment agencies to update them about best practices in assessment

4. Types of evidence or evidence-gathering protocol:

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

5. Method of verification or validation:

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

On the Job:

- On job training (OJT), candidates undergo training and leaning at actual workplace for a fixed period of time and a certain weightage of assessment is allocated out of total skill weightage of Qualification Pack for undergoing OJT as stipulated by CSDCI. This OJT score and assessors' end point score are combined to arrive at final Marking/grading of trainees' skill test. The OJT score is determined by Supervisor of company under which candidates undergo on job training.

References

Glossary

Term	Description
Declarative Knowledge	Declarative knowledge refers to facts, concepts and principles that need to be known and/or understood in order to accomplish a task or to solve a problem.
Key Learning Outcome	Key learning outcome is the statement of what a learner needs to know, understand and be able to do in order to achieve the terminal outcomes. A set of key learning outcomes will make up the training outcomes. Training outcome is specified in terms of knowledge, understanding (theory) and skills (practical application).
OJT (M)	On-the-job training (Mandatory); trainees are mandated to complete specified hours of training on site
OJT (R)	On-the-job training (Recommended); trainees are recommended the specified hours of training on site
Procedural Knowledge	Procedural knowledge addresses how to do something, or how to perform a task. It is the ability to work, or produce a tangible work output by applying cognitive, affective or psychomotor skills.
Training Outcome	Training outcome is a statement of what a learner will know, understand and be able to do it upon the completion of the training.
Terminal Outcome	Terminal outcome is a statement of what a learner will know, understand and be able to do upon the completion of a module. A set of terminal outcomes help to achieve the training outcome.

Acronyms and Abbreviations

Term	Description
QP	Qualification Pack
NSQF	National Skills Qualification Framework
NSQC	National Skills Qualification Committee
NOS	National Occupational Standards
CSDCI	Construction Skill Development Council of India
MCQ	Multiple Choice Question
EHS	Environment Health and Safety