









Model Curriculum

QP Name: Store Assistant - Construction

QP Code: CON/Q1501

Version: 3.0

NSQF Level: 3

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







Table of Contents

Contents

Training Parameters3
Program Overview
Training Outcomes5
Compulsory Modules
Vodule 1: Introduction to the role of a Store Assistant - Construction
Module 2: Process of selecting and shifting construction tools, equipment and materials to the store 8
Module 3: Process of stacking and storing tools, equipment and materials in the store/ yard at the construction site
Nodule 4: Work effectively in a team to deliver desired results at the workplace
Module 5: Work according to personal health, safety and environment protocols at construction site 14
Module 6: Employability Skills
Module 7: On-the-Job Training
Annexure
Trainer Requirements
Assessor Requirements19
Assessment Strategy
Assessment system Overview
Testing Environment Error! Bookmark not defined.
Assessment Quality Assurance framework Error! Bookmark not defined.
Methods of Validation error! Bookmark not defined.
Method of assessment documentation and access Error! Bookmark not defined.
Acronyms and Abbreviations23







Training Parameters

Sector	Construction	
Sub-Sector	Real Estate and Infrastructure Construction	
Occupation	Store Keeping	
Country	India	
NSQF Level	3	
Aligned to NCO/ISCO/ISIC Code	NCO-2015/4321.0100	
Minimum Educational Qualification and Experience	 Grade 10 Pass OR Grade 8 pass with 2-year of (NTC/ NAC) after 8th OR 9th grade pass with 1-year relevant experience OR 8th grade pass with 2-year relevant experience OR 5th grade pass with 5-year relevant experience OR 5th grade pass with 5-year relevant experience OR Previous relevant Qualification of NSQF Level 2 with 3-year relevant experience OR Previous relevant qualification of NSQF Level 2.5 with 1.5 relevant experience 	
Pre-Requisite License or Training	NA	
Minimum Job Entry Age	18 Years	
Last Reviewed On	31/08/2023	
Next Review Date	31/08/2026	
NSQC Approval Date	31/08/2023	
QP Version	3.0	
Model Curriculum Creation Date	31/08/2023	
Model Curriculum Valid Up to Date	31/08/2026	







Model Curriculum Version	3.0
Minimum Duration of the Course	330 Hours
Maximum Duration of the Course	330 Hours







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:

- Elucidate ways to select and shift construction tools, equipment and materials to the store.
- Elucidate ways to stack and store tools, equipment and materials in the store/ yard at the construction site.
- Explain the importance of working effectively in a team to deliver desired results at the workplace.
- Explain the process of managing workplace for safe and healthy work environment.

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/N1501: Select and shift construction tools, equipment and materials to the store NOS Version- 3.0 NSQF Level- 3	40:00	50:00	30:00	00:00	120:00
Module 1: Introduction to the role of a Store Assistant - Construction	05:00	00:00	0:00	00:00	05:00
Module 2: Process of selecting and shifting construction tools, equipment and materials to the store	35:00	50:00	30:00	00:00	115:00
CON/N1502: Stack and store tools, equipment and materials in the store/ yard at the construction site NOS Version- 3.0 NSQF Level- 3	40:00	50:00	30:00	00:00	120:00
Module 3: Process of stacking and storing tools, equipment and materials in the store/ yard at the construction site	40:00	50:00	30:00	00:00	120:00









CON/N8001: Work effectively in a team to deliver desired results at the workplace NOS Version- 12.0 NSQF Level- 4	05:00	25:00	0:00	00:00	30:00
Module 4: Work effectively in a team to deliver desired results at the workplace	05:00	25:00	0:00	00:00	30:00
CON/N9001: Work according to personal health, safety and environment protocols at construction site NOS Version- 10.0 NSQF Level- 4	05:00	25:00	0:00	00:00	30:00
Module 5: Follow safety norms as defined by organization, adopt healthy and safe work practices	05:00	25:00	0:00	00:00	30:00
DGT/VSQ/N0101: Employability Skills NOS Version- 1.0 NSQF Level- 2	30:00	00:00	0:00	00:00	30:00
Module 6: Employability Skills	30:00	00:00	0:00	00:00	30:00
Total Duration	120:00	150:00	60:00	00:00	330:00







Module Details

Module 1: Introduction to the role of a Store Assistant - Construction Mapped to CON/N1501 v3.0

Terminal Outcomes:

• Discuss the job role of a Store Assistant - Construction.

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 Store Assistant - Construction.	
 Identify various employment opportunities for a Store Assistant - Construction. 	
Classroom Aids	
Training Kit - Trainer Guide, Presentations, Whit	eboard, Marker, Projector, Laptop, Video Films
Tools, Equipment and Other Requirements	
NA	







Module 2: Process of selecting and shifting construction tools, equipment and materials to the store *Mapped to CON/N1501 v3.0*

Terminal Outcomes:

- Elucidate ways to select tools, equipment and materials for storage.
- Explain the process of shifting tools, equipment and materials to the store/ yard.







different construction materials.

• State the unit weight and size of different types of formwork material, fixtures, and components.

Classroom Aids

Training Kit (Trainer Guide, Presentations). Whiteboard, Marker, Projector, Laptop

Tools, Equipment and Other Requirements

Hand Tools, Power Tools, Measuring Tools, Construction Equipments, Construction Materials, Construction Components, Consumables, Safety Tools for Masonry Trade, Safety Tools for Bar Bending Trade, Safety tools for Shuttering carpentry Trade, Safety Tools for Electrician Trade, Safety Tools for Welding & other Trades







Module 3: Process of stacking and storing tools, equipment and materials in the store/ yard at the construction site Mapped to CON/N1502 v3.0

Terminal Outcomes:

• Elucidate ways to stack and store tools, equipment and materials in the store/ yard.

Duration: 40:00	Duration: 50:00	
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes	
 Describe the process of checking the physical condition of construction tools, equipment and materials to identify breakage and deterioration. 	 Show how to check the condition of tools, equipment and materials for breakage, dampness, deterioration before storing them. 	
 Explain the importance of proper storage area, lighting and ventilation. Explain how to store Personal Protective Equipment. 	 Show how to check the storage area for moisture, lighting, direct sun-light and ventilation before stacking and storing. 	
 Describe the procedure for storing and stacking construction tools, equipment and materials based on their type, size, use, etc. 	 Demonstrate how to use appropriate partitions and racks for the efficient storage of tools, equipment and materials. 	
 State the appropriate conditions for storing cement bags, reinforcement steel, timber/plywood, PVC pipes, electrical items, mechanical parts, etc. 	 Demonstrate ways to protect appropriate tools, equipment and materials from exposure to the natural environment. Demonstrate the process of carrying 	
 State the recommended stacking height for different types of construction materials, such as cement, bricks/blocks, timber/plywood, fibre boards, etc. 	out regular cleaning in the store/yard to ensure health and safety.	
 Explain the importance of storing toxic, inflammable and hazardous materials separately. 		
 Describe the procedure of receiving and issuing material in the store/ yard. 		
• Explain the basics of First in-First out (FIFO) process.		
• Explain the importance of indenting procedure.		
 State the appropriate measures to be taken to protect the construction tools, equipment and materials form external environment. 		







• Explain the importance of housekeeping in the store/ yard.

Classroom Aids

Training Kit (Trainer Guide, Presentations). Whiteboard, Marker, Projector, Laptop

Tools, Equipment and Other Requirements

Hand Tools, Power Tools, Measuring Tools, Construction Equipments, Construction Materials, Construction Components, Consumables, Safety Tools for Masonry Trade, Safety Tools for Bar Bending Trade, Safety tools for Shuttering carpentry Trade, Safety Tools for Electrician Trade, Safety Tools for Welding & other Trades







Module 4: Work effectively in a team to deliver desired results at the workplace

Mapped to CON/N8001 v12.0

Terminal Outcomes:

- Explain the importance of interacting and communicating in an effective manner.
- Elucidate ways to support co-workers to execute the project requirements.
- Elucidate ways to practice inclusion at workplace.

Duration: 05:00	Duration: 25:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Elucidate own roles and responsibilities. Explain the importance of effective communication. Elucidate the consequence of poor teamwork on project outcomes, timelines, safety at the construction site, etc. Explain different modes of communication used at workplace. Explain the importance of creating healthy and cooperative work environment among the gangs of workers. Elucidate applicable techniques of work, properties of materials used, tools and tackles used, safety standards that co-workers might need as per the requirement. Explain the importance of proper and effective communication and the expected adverse effects in case of failure relating to quality, timeliness, safety, risks at the construction project site. Explain the importance and need of supporting co-workers facing problems for the smooth functioning of work. Discuss the fundamental concept of gender equality. Explain how to recognise and be sensitive to issues of disability, culture and gender. 	 Demonstrate how to pass on work related information/ requirement clearly to the team members. Show how to report any unresolved problem to the supervisor immediately. Demonstrate ways to hand over the required material, tools, tackles, equipment and work fronts timely to interfacing teams. Demonstrate ways to work together with co-workers in a synchronized manner. Demonstrate effective implementation of gender neutral practices at workplace. Demonstrate ways to address discriminatory and offensive behaviour in a professional manner as per organizational policy.







 Discuss legislation, policies, and procedures relating to gender sensitivity and cultural diversity including their impact on the area of operation.

Classroom Aids

Training Kit - Trainer Guide, Presentations, Whiteboard, Marker, Projector, Laptop, Video Films

Tools, Equipment and Other Requirements

NA







Module 5: Work according to personal health, safety and environment protocols at construction site *Mapped to CON/N9001 v10.0*

Terminal Outcomes:

- Explain the importance of following safety norms as defined by organization.
- Explain the need to adopt healthy & safe work practices.
- Describe the process of implementing good housekeeping and environment protection process and activities.
- Explain the importance of following infection control guidelines as per applicability.

Duration: 05:00	Duration: 25:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
 Describe the reporting procedures in cases of breaches or hazards for site safety, accidents, and emergency situations as per guidelines. 	 Demonstrate how to follow emergency and evacuation procedures in case of accidents, fires, natural calamities.
 Explain different types of safety hazards at construction sites. Discuss basic ergonomic principles as per applicability. 	 Show how to operate different types of fire extinguishers corresponding to various types of fires as per EHS guideline.
 Describe the procedure for responding to accidents and other emergencies at site. 	 Demonstrate the use of appropriate Personal Protective Equipment (PPE) as per work requirements for : Head Protection, Ear protection, Fall
 Explain the importance of handling tools, equipment, and materials as per applicable norms. 	Protection ,Foot Protection, Face and Eye Protection, Hand and Body Protection , and Respiratory Protection (if required).
 Explain the effect of construction material on health and environments as per applicability. 	 Demonstrate how to check and install all safety equipment as per standard guidelines.
 Describe various environmental protection methods as per applicability. Explain the storage requirement of waste including non-combustible scrap material and debris, combustible scrap material and debris, general construction waste and trash (non-toxic, non-hazardous), any other hazardous wastes and any other flammable wastes at the appropriate location. 	 Show how to collect, segregate and deposit construction waste into appropriate containers based on
	 their toxicity or hazardous nature. Show how to clean and disinfect all materials, tools and supplies before and after use.
 Explain how to use hazardous material in a safe and appropriate manner as per applicability. 	









- Explain types of fire.
- Describe the procedure of operating different types of fire extinguishers.
- State safety relevant to tools, tackles, and equipment as per applicability.
- List housekeeping activities relevant to task.
- Elucidate ways of transmission of infection
- ways to manage infectious risks at the workplace.
- Describe different methods of cleaning, disinfection, sterilization, and sanitization.
- List the symptoms of infection like fever, cough, redness, swelling, and inflammation.

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, Jump suit, 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/N0101 v1.0

Duration: 30:00
Key Learning Outcomes
Introduction to Employability Skills Duration: 1 Hour
After completing this programme, participants will be able to:
1. Discuss the importance of Employability Skills in meeting the job requirements
Constitutional values - Citizenship Duration: 1 Hour
2. Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc.
that are required to be followed to become a responsible citizen.
3. Show how to practice different environmentally sustainable practices
Becoming a Professional in the 21st Century Duration: 1 Hours
4. Discuss 21st century skills.
5. Display positive attitude, self -motivation, problem solving, time management skills and
continuous learning mindset in different situations.
Basic English Skills Duration: 2 Hours
6. Use appropriate basic English sentences/phrases while speaking
Communication Skills Duration: 4 Hour
7. Demonstrate how to communicate in a well -mannered way with others.
8. Demonstrate working with others in a team
Diversity & Inclusion Duration: 1 Hour
9. Show how to conduct oneself appropriately with all genders and PwD
10. Discuss the significance of reporting sexual harassment issues in time
Financial and Legal Literacy Duration: 4 Hours
11. Discuss the significance of using financial products and services safely and securely.
12. Explain the importance of managing expenses, income, and savings.
13. Explain the significance of approaching the concerned authorities in time for any exploitation
as per legal rights and laws
Essential Digital Skills Duration: 3 Hours
14. Show how to operate digital devices and use the associated applications and features, safely
and securely
15. Discuss the significance of using internet for browsing, accessing social media platforms,
safely and securely
Entrepreneurship Duration: 7 Hours
16. Discuss the need for identifying opportunities for potential business, sources for arranging
money and potential legal and financial challenges
Customer Service Duration: 4 Hours
17. Differentiate between types of customers
18. Explain the significance of identifying customer needs and addressing them
19. Discuss the significance of maintaining hygiene and dressing appropriately
Getting ready for apprenticeship & Jobs Duration: 2 Hours
20. Create a biodata
21. Use various sources to search and apply for jobs
22. Discuss the significance of dressing up neatly and maintaining hygiene for an interview
23. Discuss how to search and register for apprenticeship opportunities







Module 7: On-the-Job Training Mapped to Store Assistant - Construction

Mandatory Duration: 60:00	Recommended Duration: 00:00
ocation: On-Site	
Ferminal Outcomes	
• Explain the applicable safety equipment and materials.	practices concerning the handling and storage of tools,
• Identify toxic, inflammable and	other hazardous materials used at construction sites
• Use the appropriate Personal P equipment, materials and com	Protective Equipment (PPE) to handle construction tools, ponents
• Select the appropriate tools, eco per the given instruction	quipment and accessories for loading, unloading and shifting, a
• Select, shift and hand over requirement and instruction pr	uired tools, equipment and materials, as per the indent ovided
	ar, such as slings, shackles, lifting belts, wire ropes, for lifting n materials, components and equipment, as per the given
	es of material and equipment separately, e.g. separate ols, or construction, and formwork material, etc.
• Stack reinforcement, and struct classification, size and length	tural steel separately above the ground level based on their
• Carry out regular cleaning in th	e store/yard to ensure health and safety.







Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational	Specialisation	Relevant Industry Experience		Training Experience		Remarks
Qualification		Years	Specialization	Years	Specialization	
B. Tech	Civil/Mechanic al/ Electrical	1	Store Keeping	0	-	
Diploma	Civil/Mechanic al/ Electrical	2	Store Keeping	0	-	
ITI	Civil/Mechanic al/ Electrical	4	Store Keeping	0	-	
General BA/BSc./ EX- Army/ 12th	Civil/Mechanic al/ Electrical	4	Store Keeping	0	-	

Trainer Certification				
Domain Certification	Platform Certification			
Certified for Job Role "Store Assistant - Construction", mapped to QP: "CON/Q1501, v3.0", 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, v2.0". The minimum accepted score as per MEPSC guidelines is 80%.			







Assessor Requirements

Assessor Prerequisites						
Minimum Educational	Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
Qualification		Years	Specialization	Years	Specialization	
B. Tech	Civil/Mechanical/ Electrical	2	Store Keeping	0	-	
Diploma	Civil/Mechanical/ Electrical	4	Store Keeping	0	-	
ITI	Civil/Mechanical/ Electrical	5	Store Keeping	0	-	

Assessor Certification				
Domain Certification	Platform Certification			
Certified for Job Role "Store Assistant - Construction", mapped to QP: "CON/Q1501 v3.0", 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, v2.0", with a minimum score of 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).
(M) TLO	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