



Model Curriculum

QP Name: Land Transportation Executive (Electives – Feasibility Assessment/Telematics Fleet operations) (Options – Risk Management in Transportation/ Fleet maintenance)

QP Code: LSC/Q1002

QP Version: 3.0

NSQF Level: 4

Model Curriculum Version: 3.0

Table of Contents

Training Parameters	2
Program Overview.....	3
Training Outcomes	3
Compulsory Modules	3
Elective Modules	4
Option Modules.....	5
Module 1: Introduction to Land Transportation Executive	6
Module 2: Transportation data analysis.....	7
Module 3: Coordination with internal and external stakeholders	8
Module 4: Documentation for land transportation.....	9
Module 5: Compliance with Health, safety, integrity and ethics at workplace.....	10
Module 6: Employability Skills.....	11
Module 7: Route optimisation and feasibility assessment.....	13
Module 8: Transportation telematics.....	14
Module 9: Risk Management in Transportation.....	15
Annexure	17
Trainer Requirements.....	17
Assessor Requirements	18
Assessment Strategy	19
References.....	21
Glossary.....	21
Acronyms and Abbreviations.....	22

Training Parameters

Sector	Logistics
Sub-Sector	Land Transportation
Occupation	Transport Operations, Vehicle Operations, Documentation and Reporting
Country	India
NSQF Level	4
Aligned to NCO/ISCO/ISIC Code	NCO-2015/ 4221/4323 and ISCO-08/4323
Minimum Educational Qualification and Experience	12th Grade Pass or equivalent with 1 year relevant experience in transportation OR 10th Grade pass or equivalent with 3 year relevant experience in transportation OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 year relevant experience in transportation OR Previous relevant Qualification of NSQF Level 3 with 3 year relevant experience in transportation
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18
Last Reviewed On	07/10/2025
Next Review Date	07/10/2028
NSQC Approval Date	07/10/2025
QP Version	3.0
Model Curriculum Creation Date	07/10/2025
Model Curriculum Valid Up to Date	07/10/2028
Model Curriculum Version	3.0
Minimum Duration of the Course	420
Maximum Duration of the Course	600

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 will be able to:

- Analyse transportation data to assess optimal utilisation of assets and identify reasons for non-performance
- Manage internal team, vendors and clients to provide seamless transportation service
- Prepare inbound and outbound documentation for vehicle and consignment transportation
- Comply with workplace integrity, ethical and regulatory practices.
- Manage the workplace for a safe and healthy work environment by following compliance with regulatory and safety norms.
- Inspect invoices for correct application of GST.
- Prepare a transportation consolidation plan to ensure optimal utilisation of resources
- Track vehicle movement and ensure timely delivery and compliance with regulatory documentation.
- Plan and optimise routes for cost and time-efficient consignment pickup and delivery
- Prepare and file export/ import documentation to facilitate customs clearance and goods movement
- Use transportation telematics to drive efficiency and reduce costs in vehicle fleet operations

Compulsory Modules

The table lists the modules, their duration and mode of delivery.

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Bridge Module	20	10			30
Module 1: Introduction to Land Transportation Executive	20	10			30
LSC/N1002 –Analyse transport data and generate reports V3.0 NSQF Level 4	20	60	10		90
Module 2: Transportation data analysis and reports	20	60	10		60
LSC/N1003– Coordinate with internal team and external stakeholders V3.0 NSQF Level 4	20	30	10		60
Module 3: Team and stakeholders coordination	20	30	10		60
LSC/N0302 – Perform inbound and outbound documentation V3.0	20	60	10		90

NSQF Level 4					
Module 4: Documentation for land transportation	20	60	10		90
LSC/N9911: Follow health, safety, and security procedures and maintain integrity and ethics at the workplace V1.0 NSQF Level 3	10	20			30
Module 5: Compliance with Health, safety, integrity and ethics at workplace	10	20			30
DGT/VSQ/N0102 Employability skills	30	30			60
Total Duration	120	210	30		360

Elective Modules

The table lists the elective modules, their duration and mode of delivery.

Elective 1: Feasibility Assessment

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
LSC/N1006 – Conduct feasibility assessment and route optimisation V3.0 NSQF Level 4	30	30			60
Module 7: Route feasibility assessment and optimisation	30	30			60
Total Duration	30	30			60

Elective 2: Telematics

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
LSC/N1138 – Use telematics to support fleet operations V3.0 NSQF Level 4	30	30			60
Module 8: Transportation telematics	30	30			60
Total Duration	30	30			60

Option Modules

The table lists the option modules, their duration and mode of delivery.

Option 1: Risk Management in Transportation

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
LSC/N6506: Risk Management in transportation V1.0 NSQF Level 4	30	30			60
Module 9: Risk Management in Transportation	30	30			60
Total Duration	30	30			60

Option 2: Fleet maintenance

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
LSC/N1110: Supervise fleet maintenance V5.0 NSQF Level 4	30	30			60
Module 10: Fleet maintenance	30	30			60
Total Duration	30	30			60

Module Details

Module 1: Introduction to Land Transportation Executive

Mapped to Bridge Module

Terminal Outcomes:

- Describe the basic structure and function of the supply chain
- Detail the various roles and responsibilities of a Land Transportation Executive

Duration: 20:00	Duration: 10:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Detail the various sub-sectors and the opportunities in them • Detail activities in Land Transportation. • Detail your job role as Land Transportation Executive and its interface with other job roles • Discuss the documentation requirements for land transportation 	<ul style="list-style-type: none"> • Classify the components of supply chain and logistics sector • Identify the various MHEs and equipment used in land transportation • Perform various operations functions of a land transportation executive • Demonstrate the roles and responsibilities of a Land Transportation Executive
Classroom Aids	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Computers with MS office, TMS(Learning version), LLMS (Learning version)	

Module 2: Transportation data analysis

Mapped to LSC/N1002, V3.0

Terminal Outcomes:

- Explain the steps involved in transportation data analysis and report generation as per SOP
- Detail trend analysis and the steps to be followed for conducting the trend analyses in Land Transportation.

Duration: 20:00	Duration: 60:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • List necessary information to be collected for analysis. • Explain about ERP and its significance in operations. • Elaborate the process of analysing transport data. • Describe the steps to be followed for the generation of various reports using ERP. • Detail trend analysis and the steps to be followed for conducting the trend analyses in Land Transportation. 	<ul style="list-style-type: none"> • Collect necessary information for analysis from ERP and other records • Demonstrate the process of analysing the performance of consignment based on consignment type, geography, vehicle type and client • Compute various parameters such as vehicle utilisation, workforce productivity, route variation, fuel consumption, repair and maintenance, etc. • Prepare trend analysis of performance parameters • Assess handling and transportation damages • Prepare trend analysis of performance parameters • Report the findings to the Manager with the necessary support data and reasons for deviation from normal
Classroom Aids	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Computers with MS office, printer, Enterprise Resource Planning (ERP), Transport Management System (TMS) software, etc	

Module 3: Coordination with internal and external stakeholders

Mapped to LSC/N1003, V3.0

Terminal Outcomes:

- Detail the steps to be followed for effective team and vendor coordination
- Elaborate about Coordinating with the client/shipper

Duration: 20:00	Duration: 30:00
<p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Describe the team coordination requirements to ensure transportation processing • Detail the documentation requirements for payment and consignment processing • Discuss the consignment tracking process • Detail vendor coordination requirements during consignment pickup, transit and delivery • Discuss claims processing for damaged/ missing goods • Explain the client escalation management process • Discuss the list of periodic communications and documentation to be sent to the customer 	<p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Perform necessary coordination to ensure smooth transportation processing • Prepare documentation for payment and consignment processing • Demonstrate tracking consignments • Perform vendor coordination during consignment pickup, transit and delivery • Perform claims processing for damaged/missing goods • Report issues as per the escalation matrix • Assemble the necessary periodic communications and documentation to be sent to the customers
<p>Classroom Aids</p> <p>Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser</p>	
<p>Tools, Equipment and Other Requirements</p> <p>TMS (Learning version), computers with MS Office, ERP, stationery, projector, worksheets, SOP, etc.</p>	

Module 4: Documentation for land transportation

Mapped to LSC/N0302, V3.0

Terminal Outcomes:

- Detail the appropriate steps to be followed for preparing land transportation documents
- Elaborate on the process of receiving and verifying documents for inbound consignments
- Describe the steps to be followed for preparing documents for outbound consignments.

Duration: 20:00	Duration: 60:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Detail the documentation requirement for consignment processing and vehicle movement • Elaborate on the process of receiving and verifying documents for inbound consignments • Describe documentation required for claims/ replacement processing for damaged/ missing goods • Discuss the documentation approval procedure • Detail the instructions to be provided to vehicle drivers on route, transport regulations, formalities, etc. • Describe the acknowledgements to be received from the driver for goods transportation • Elaborate on the steps to be followed for preparing documents for outbound consignments. 	<ul style="list-style-type: none"> • Prepare documents for consignment processing and vehicle movement • Inspect consignment, vehicle, transit/goods insurance documentation, tax permits and other relevant documentation • Verify the consignment loading and unloading based on documentation • Prepare documentation for claims/ replacement processing for damaged/ missing goods • Prepare invoice based on consignment movement • Prepare agreement sheet for consignment movement • Demonstrate documentation approval procedure • Provide instructions to vehicle drivers on route, as well as transport regulations, formalities, etc. • Describe the acknowledgements to be received from the driver for goods transportation
Classroom Aids	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
TMS (Learning version), computers with Microsoft office and Enterprise Resource Planning (ERP), SOP, standard forms, stationery, markers, ERP, printers, etc.	

Module 5: Compliance with Health, safety, integrity and ethics at workplace

Mapped to LSC/N9911, V1.0

Terminal Outcomes:

- Discuss the health, safety and security procedures in warehousing
- Inspect the activity area and equipment, for appropriate and safe conditions

Duration: 10:00	Duration: 20:00
<p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Detail the safety regulations and procedures w.r.t fire hazards, biohazards, etc. • Explain various PPE utilized in logistics and their uses. • Describe data safety regulations and clear worktable policy. • Explain the importance of taking care of personal health and hygiene. • Detail the standard procedures to be followed during emergency situations. • Explain 5s at workplace and code of ethics. 	<p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Follow health, safety and security measures during all activities. • Wear all safety equipment including protective gear, helmets etc., in relevant bay areas. • Recognize unsafe conditions and safety practices at the workplace and report it to concerned authorities. • Comply with data safety regulations of the organization and follow clear worktable policy. • Maintain personal health and hygiene. • Practice basic first aid methods. • Follow procedures to handle emergency situations. • Protect data and information related to business or commercial decisions • Prevent company and customer information leakage. • Refrain from indulging in corrupt practices and consult senior management when in an ethical dilemma. • Follow organization procedures with respect to documentation.
<p>Classroom Aids:</p> <p>Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser</p>	
<p>Tools, Equipment and Other Requirements</p> <p>Computers with MS office, PPE, MHE, instructional material, safety guidelines, safety signs etc., LLMS (Learning version), TMS (Learning version)</p>	

Module 6: Employability Skills

Mapped to DGT/VSQ/N0102, V1.0

Terminal Outcomes:

- Discuss the Employability Skills required for jobs in various industries
- 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
- Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan

Duration: 30:00	Duration: 30:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Discuss the Employability Skills required for jobs in various industries • List different learning and employability related GOI and private portals and their usage • 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 • Discuss importance of relevant 21st century skills. • Describe the benefits of continuous learning. • Explain the importance of active listening for effective communication • Discuss the significance of working collaboratively with others in a team • Discuss the significance of escalating sexual harassment issues as per POSH act. • List the common components of salary and compute income, expenditure, taxes, investments etc. • Discuss the legal rights, laws, and aids • Describe the role of digital technology in today's life • Discuss the significance of displaying responsible online behaviour while browsing, using various social media platforms, e-mails, etc., safely and securely • Explain the types of entrepreneurship and enterprises • Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan • Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement • Detail the significance of analyzing different types and needs of customers • Explain the significance of identifying customer needs and responding to them in a professional manner. • Discuss the significance of maintaining hygiene and dressing appropriately 	<ul style="list-style-type: none"> • Practice different environmentally sustainable practices. • Exhibit 21st century skills like Self-Awareness, Behaviour 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. • Demonstrate to use basic English sentences for everyday conversation in different contexts, in person and over the telephone • Read and interpret text written in basic English • Write a short note/paragraph / letter/e -mail using basic English • Create a career development plan with well-defined short- and long-term goals • Communicate effectively using verbal and nonverbal communication etiquette. • Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD • Outline the importance of selecting the right financial institution, product, and service • Demonstrate how to carry out offline and online financial transactions, safely and securely • Operate digital devices and use the associated applications and features, safely and securely • Create sample word documents, excel sheets and presentations using basic features • Utilize virtual collaboration tools to work effectively • Devise a sample business plan, for the selected business opportunity • Create a professional Curriculum Vitae (CV) • Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively • Perform a mock interview

- Explain the significance of maintaining hygiene and confidence during an interview
- List the steps for searching and registering for apprenticeship opportunities

Classroom Aids

Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser, UPS, LCD Projector, Computer Tables & chairs

Tools, Equipment and Other Requirements

TMS, LLMS, Computer (PC) with latest configurations – and Internet connection with standard operating system and standard word processor and worksheet software (Licensed) (all software should either be latest version or one/two version below), Scanner cum Printer

Module 7: Route optimisation and feasibility assessment.

Mapped to LSC/N1006, V3.0

Terminal Outcomes:

- Elaborate on the steps to be followed for conducting a feasibility assessment.
- Describe the procedure for Route optimisation.
- Provide Details on the process to be followed for implementation and continuous improvement of optimised routes.

Duration: 30:00	Duration: 30:00
<p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Explain Route optimisation and its significance in land transportation. • Define Feasibility assessment and the methods to conduct the same. • Describe the procedure for Route optimisation. • Elaborate on the steps to be followed for conducting a feasibility assessment. • Detail the preparations required for different types of cargo and route plans • List down the various analyses that need to be conducted for Route optimisation. • Elaborate on the process to be followed for implementation and continuous improvement of optimised routes. 	<p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Analyse details on point of origin, point of destination, type of goods, pickup date and time, delivery date and time, volume of goods, vehicle capacity, vehicle traffic constraint and experience of transporter • Review the pickup, delivery, load distribution, and vehicle route planned using route planning software • Plan optimised routes for multiple depots to ensure cost-efficiency • Perform lane analysis to identify the best route for Over Dimensional Cargo (ODC) • Prepare final route plan, rest stops, refuelling, driver shift change, distance covered and trip assignment • Generate backup route plans to manage contingencies such as inclement weather, natural calamities, etc. • Discuss the route plan and associated requirements with the customer and Manager for approval • Manage necessary preparations for different types of cargo and route plans • Demonstrate usage of route planning software to ensure cost efficiency • Calculate route efficiency by tracking vehicle movement
<p>Classroom Aids</p> <p>Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser</p>	
<p>Tools, Equipment and Other Requirements</p> <p>TMS, SOP, computer, ERP, worksheets, Route optimisation software, MS Excel and Access, Atlas Map, etc.</p>	

Module 8: Transportation telematics

Mapped to LSC/N1138, V3.0

Terminal Outcomes:

- Elaborate on the steps for tracking and reporting the progress of vehicles and consignments in real-time.
- Describe the process of using telematics to support and optimise fleet operations.

Duration: 30:00	Duration: 30:00
<p>Theory – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Describe Telematics and its significance in Land Transportation. • Explain real-time tracking and the methods that can be used for it. • Discuss the drivers' driving behaviours that affect the performance of operations. • Elaborate on the steps for tracking and reporting the progress of vehicles and consignments in real-time. • Describe the process of using telematics to support and optimise fleet operations. 	<p>Practical – Key Learning Outcomes</p> <ul style="list-style-type: none"> • Track vehicle using TMS and GPS equipment • Monitor speed limits, braking pressure, mileage, engine idling period, etc., for different types of vehicles as per standards • Analyse the vehicle and driver performance against standards for the vehicle/ route • Recognize reasons for deviation from norms • Assess weather conditions in the route planned for movement and propose alternate routes in case of exigencies • Demonstrate the process of recognising alternate routes in case of exigencies
<p>Classroom Aids</p> <p>Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser</p>	
<p>Tools, Equipment and Other Requirements</p> <p>TMS, Computer, Enterprise Resource Planning (ERP) software, GPS equipment, SOP, Telematics Control Unit (TCU), worksheets, stationery etc.</p>	

Module 9: Risk Management in Transportation

Mapped to LSC/N6506, V1.0

Terminal Outcomes:

- Follow the steps involved in risk management in transportation
- Explain how to perform freight spend & risk analysis and risk management

Duration: 30:00	Duration: 30:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Explain freight spending analysis and its importance. • List the different software systems from which data can be populated for analysis. • Detail the technologies that can be integrated into existing transportation planning solutions. • Discuss the importance of risk management. 	<ul style="list-style-type: none"> • Perform freight spending analysis with all forward and reverse costs considered. • Collect data and perform risk analysis. • Prepare a scorecard and use it for easy comparison of carrier performances based on different factors. • Follow the steps involved in Risk Management. • Use optimisation solutions for transport, load planning and route optimisation. • Identify the cost optimisation techniques. • Select vendors with APIs (Application Programming Interface), better vehicle maintenance and safety records. • Demonstrate the process for managing risks in transportation.
Classroom Aids	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
Computers with web camera, system tools, TMS	

Module 10: Fleet operations and its maintenance

Mapped to LSC/ N1110, V5.0

Terminal Outcomes:

- Explain the steps to be followed for supervising the fleet service.
- Discuss the documentation to be maintained for monitoring fleet service.
- Explain the MIS reporting process in fleet management.

Duration: 30:00	Duration: 30:00
Theory – Key Learning Outcomes	Practical – Key Learning Outcomes
<ul style="list-style-type: none"> • Describe the process for new vehicle acquisition, title and registration. • Elaborate on the procedure for inspecting maintenance records. • Explain the steps to be followed for supervising the fleet service. • Discuss the documentation to be maintained for monitoring fleet service. • Explain the MIS reporting process in fleet management. 	<ul style="list-style-type: none"> • Demonstrate the process of acquiring a new vehicle and registering a title. • Inspect the basic spare parts, consumables and fuel • Verify maintenance records, purchase logs, oil logs, parts consumption logs, etc. • Demonstrate maintenance vendor selection and management process • Inspect maintenance and out-of-service vehicles. • Analyse maintenance works to suggest improvement actions • Create reports on vehicle maintenance and usage of spares, consumables, and fuel • Prepare the budget for vehicle and spare maintenance
Classroom Aids	
Charts, Models, Video presentation, Flip Chart, Whiteboard/Smart Board, Marker, Board eraser	
Tools, Equipment and Other Requirements	
TMS, ERP, computer, printers, GPS tracker, maintenance schedule, maintenance equipment etc.	

Annexure

Trainer Requirements

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Any degree		2	Land Transportation			

Trainer Certification	
Domain Certification	Platform Certification
Certified for Job Role: "Land Transportation Executive" mapped to QP: "LSC/Q1002, 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" with minimum score of 80%

Assessor Requirements

Assessor Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training/Assessment Experience		Remarks
		Years	Specialization	Years	Specialization	
Any degree		2	Land Transportation			

Assessor Certification	
Domain Certification	Platform Certification
Certified for Job Role: "Land Transportation Executive" mapped to QP: "LSC/Q1002, 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 minimum score of 80%

Assessment Strategy

The emphasis is on 'learning-by-doing' and practical demonstration of skills and knowledge based on the performance criteria. Accordingly, assessment criteria for each job role is set and made available in qualification pack.

The assessment papers for both theory and practical would be developed by Subject Matter Experts (SME) hired by Logistics Sector Skill Council or with the LSC accredited Assessment Agency as per the assessment criteria mentioned in the Qualification Pack. The assessments papers would also be checked for the various outcome-based parameters such as quality, time taken, precision, tools & equipment requirement etc.

Each NOS in the Qualification Pack (QP) is assigned a relative weightage for assessment based on the criticality of the NOS. Therein each Element/Performance Criteria in the NOS is assigned marks on relative importance, criticality of function and training infrastructure.

The following tools would be used for final assessment:

1. **Practical Assessment:** This comprises of a creation of mock environment in the skill lab which is equipped with all equipment required for the qualification pack.

Candidate's soft skills, communication, aptitude, safety consciousness, quality consciousness etc. is ascertained by observation and marked in observation checklist. The outcome is measured against the specified dimensions and standards to gauge the level of their skill achievements.

2. **Viva/Structured Interview:** This tool is used to assess the conceptual understanding and the behavioural aspects with regard to the job role and the specific task at hand. It also includes questions on safety, quality, environment and equipment etc.
3. **On-Job Training:** OJT would be evaluated based on standard log book capturing departments worked on, key observations of learner, feedback and remarks of supervisor or mentor.
4. **Written Test:** Question paper consisting of 100 MCQs (Hard:40, Medium:30 and Easy: 30) with questions from each element of each NOS. The written assessment paper is comprised of following types of questions:
 - i. True / False Statements
 - ii. Multiple Choice Questions
 - iii. Matching Type Questions
 - iv. Fill in the blanks
 - v. Scenario based Questions
 - vi. Identification Questions

QA Regarding Assessors:

Assessors are selected as per the “eligibility criteria” laid down by LSC for assessing each job role. The assessors selected by Assessment Agencies are scrutinized and made to undergo training and introduction to LSC Assessment Framework, competency-based assessments, assessors guide etc. LSC conducts “Training of Assessors” program from time to time for each job role and sensitize assessors regarding assessment process and strategy which is outlined on following mandatory parameters:

- 1) Guidance regarding NSQF
- 2) Qualification Pack Structure
- 3) Guidance for the assessor to conduct theory, practical and viva assessments
- 4) Guidance for trainees to be given by assessor before the start of the assessments.
- 5) Guidance on assessments process, practical brief with steps of operations practical observation checklist and mark sheet
- 6) Viva guidance for uniformity and consistency across the batch.
- 7) Mock assessments
- 8) Sample question paper and practical demonstration

References

Glossary

Term	Description
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).
Training Outcome	Training outcome is a statement of what a learner will know, understand and be able to do 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