

Participant Handbook

Sector
Automotive

Sub-Sector
Road Transportation

Occupation
Driving

Reference ID: **ASC/Q9703, Version 1.0,**
NSQF Level 4



**Commercial
Vehicle Driver**

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Shri Narendra Modi
Prime Minister of India

“ Skilling is building a better India.
If we have to move India towards
development then Skill Development
should be our mission. ”



Certificate

**COMPLIANCE TO
QUALIFICATION PACK – NATIONAL OCCUPATIONAL
STANDARDS**

is hereby issued by the

AUTOMOTIVE SKILLS DEVELOPMENT COUNCIL
for

SKILLING CONTENT : PARTICIPANT HANDBOOK

Complying to National Occupational Standards of

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About this Book

Indian Auto Industry is one of the largest in the world. The industry is expected to contribute 10% to India's GDP as per Automotive Mission Plan 2016-26 and create 65 million additional jobs. The sector offers big potential for jobs across the length and breadth of the country. In line with the rapid technological advancement in this field, there are exciting prospects for a fulfilling career in this industry.

This book is designed to enable a candidate to acquire skills that are required for employment. The content of this book is completely aligned to the National Occupation Standards QP/NOS and conform to the National Skills Qualification Framework (NSQF).

The Qualification pack of a Commercial Vehicle Driver, Level 4 includes the following NOS's which have all been covered across the units:

Assess and ensure road worthiness of the vehicle (ASC/N9703)

Drive safely and efficiently on the assigned route including long distance trips (ASC/N9705)

Coordinate with depot/ branch office (ASC/N9701)

Work effectively in a team (ASC/N0002)

Practice HSE and security related guidelines (ASC/N0012)

Key Learning Objectives for the specific NOS mark the beginning of the unit/s for that NOS. The symbols used in this book are described below.

Happy learning!!

Symbols Used



Key Learning
Outcomes



Steps



Time



Tips



Notes



Unit
Objectives



Summary



Exercise



Activity

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1. Introduction

Unit 1.1 - Road Conditions in India

Unit 1.2 - Commercial Vehicles

Unit 1.3 - The Road User and the Law

Unit 1.4 - Alarming Status of Road Safety

Unit 1.5 - Job Role of Commercial Vehicle Driver



Key Learning Outcomes



At the end of the module, you will be able to:

1. Explain the road conditions in India
2. Explain what a commercial vehicle is
3. Illustrate the characteristics of a road user and the laws in place to govern the use of roads
4. List the types of commercial vehicles used in India
5. Outline the responsibilities of a commercial vehicle driver
6. List the personal attributes of a commercial vehicle driver

UNIT 1.1: Road Conditions in India

Unit Objectives

At the end of this unit, you will be able to:

To explain the current road conditions in India and the traffic that is affected by such road conditions

1.1.1 Introduction to the Indian Road Scenario

India has the one of the biggest and most complex road networks in the world which connects villages, towns and cities. The roads include multiple lane roads in towns and cities, the State and National Highways and rural roads. The types of such roads are increasing with each day which include modern expressways in various parts of the country

This means this is a massive number of vehicles on the roads, and the typical road in India will present a very chaotic scenario. Non-motorized vehicles such as bullock carts, cycles and Rickshaws make the traffic worse and messier.

Indian roads are on the whole unpredictable; hence it is advisable to assume non-response to adverse traffic situation from other drivers. Drivers have a tendency to run red lights and merge into busy traffic without signaling through horn or headlights. Pedestrians also flout traffic rules to a certain extent which adds to the traffic risk.



Fig 1.1.1 Traffic Jam in India

Even though the network of roads in India is large, the quality of said roads is bad. Most roads have huge potholes and speed breakers which are improperly designed.

Accidents usually lead to altercations and road rage and vice versa. The speed limit should also be maintained while driving. Another concern is the presence of protestors who air grievances out on the open road and block traffic, affecting pedestrians as well.

But the roads are slowly improving in the country with roads being designed better, being able to handle lots of traffic. India follows the Left Hand Driving system, meaning vehicles will always drive on the left side of the road.

Driving a vehicle in India needs a License and there are certain procedures and policies in place to obtain a Driver's license. A person can get a Driving License after reaching 18 years of age for a Light Motor Vehicle (LMV). After reaching 20 years of age person can apply for a Heavy Motor Vehicle License.

India has detailed rules and regulation on Traffic regulation, which has been covered in the coming units. A driver in India will need to have a Driving License according to the category/type of vehicle which will be driven.

Driving is a critical technical skill and is a demanding profession. The person who is driving should be of good health and fitness to work well for long hours.

UNIT 1.2: Commercial Vehicles

Unit Objectives

At the end of this unit, you will be able to:

1. Explain what a commercial vehicle is
2. List the types of commercial vehicles available in India

1.2.1 Commercial Vehicle Definition

The term commercial vehicle describes a vehicle which is designed to transport goods or passengers. Trucks and buses in India are major commercial vehicle for transporting goods and passengers.

A vehicle may be viewed as a commercial vehicle if it:

- Is owned by a company or corporation
- Is utilized for business, but is in an individual's name, for example, a sole proprietor
- Is a rented vehicle and in the name of the financial institution that owns it
- Exceeds a specific weight or class and therefore, is "classified" as commercial even though it may not be commercially used or commercially owned.
- Is utilized to haul any hazardous material.

Given below are typical examples of Commercial Vehicles found in India:

1. Bharat Benz Trailer Truck
2. Bharat Benz Heavy Goods Truck
3. Bharat Benz Medium Goods Truck
4. Volvo Buses



Fig 1.2.1 Typical Commercial Vehicle Set in India

**Hero Motor Bike****Mayur E Rickshaw****Bajaj Auto Rickshaw****Maruti Suzuki Estilo****Maruti Suzuki Alto****Volkswagen Polo****Hyundai Accent****Honda City****Toyota Innova****Tata Bus****Ashok Leyland Truck****Tata Trailer**

Fig 1.2.2 Examples of Vehicle Types

Given above are a few examples of the types of vehicles available in the Indian automobile market today

1.2.2 Automobile Classification According to Weight

SIAM or Society of Indian Automobile Manufacturers divides the Indian passenger vehicles in the segments A1, A2, A3, A4, A5, A6, B1, B2 and SUV. Classification of all commercial vehicles in India given below according to weight:

Class	Category	Passenger/ Weight limit (in tones)	Vehicle type
II	N1	3.5	Goods Carrier
	A1	2	Mini Truck
	A2	2 - 3.5	Pick Ups
III	M2	More than 8+1 passengers 5	Passenger Carrier
A		5	
	A1	No. of seats including driver not exceeding 13	
	A2	No. of seats including driver exceeding 13	
IV	N2	3.5 - 12	Goods Carrier
A		3.5 - 12	
	A1	3.5 - 6	LCV
	A2	6 – 7.5	LCV
	A3	7.5 – 10	ICV
	A4	10 – 12	ICV
V	M3	More than 5	Passenger Carrier
A		5 - 7.5	
	A1	No. of seats including driver exceeding 9 but not exceeding 13	
	A2	No. of seats including driver exceeding 13	
B		7.5 - 12	
	B1	No. of seats including driver exceeding 9 but not exceeding 13	
	B2	No. of seats including driver exceeding 13	
C		12 - 16.2	
	C1	No. of seats including driver exceeding 9 but not exceeding 13	
	C1	No. of seats including driver exceeding 13	
D		No. of seats including driver exceeding 13 More than 16.2	
VI	N3	More than 12	Goods Carrier
A		16.2	
	A1	12 - 16.2	LCV

B		More than 16.2	
	B1		Rigid Vehicles
	(a)	16.2 - 26.4	
	(b)	More than 25	
	B2		Haulage Tractor (Tractor – Semi Trailer/ Trailer)
	(a)	16.2 - 26.4	
	(b)	26.4 - 35.2	
	(c)	35.2 – 40	
	(d)	40 – 49	
	(e)	49 and above	

Table 1.2.3 Classification According to Weight