



सत्यमेव जयते  
 MINISTRY OF SKILL DEVELOPMENT  
 & ENTREPRENEURSHIP  
 GOVERNMENT OF INDIA



**Skill India**  
 कौशल भारत - कुशल भारत

**PMKVY**  
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# PLACEMENT OPPORTUNITIES



Transforming the skill landscape



## JOB ROLE OVERVIEW

### Optical Fibre Technician (TEL/Q6401)

#### Role Description

Optical fiber technician is responsible for maintaining uptime and quality of the network segment (both optical media & equipment) assigned to him by undertaking periodic preventive maintenance activities and ensuring effective fault management in case of fault occurrence. He is also required to coordinate activities for installation and commissioning of Optical Fibre Cable (OFC) as per the route plan.

#### Version

1.0

#### NSQF Level

4

#### Minimum Educational Qualifications Maximum Educational Qualifications

Class VIII

ITI/ Diploma/ Bachelor in Technology (any field)

#### Training

(Suggested but not mandatory)

1. Training on Soft Skills (mandatory for Class VIII to XII)
2. Technical trainings on interpreting OTDR, power and light meter test results; Project management trainings (mandatory for all)

#### Minimum Job Entry Age

14 years

#### Experience

1. In case educational qualification Class VIII to XII- Worked as optical fiber splicer for minimum 4-5 years
2. In case educational qualification ITI/ Diploma/ Bachelor in Technology- Worked as optical fiber splicer for 1-2 years

#### Applicable National Occupational Standards (NOS)

1. **TEL/N6402:** Co-ordinate Installation & Commissioning of Optical fiber cables (OFC)
2. **TEL/N6403:** Undertake Condition based Maintenance & Planned repair activities )
3. **TEL/N6404:** Perform corrective maintenance/restoration of optical fault)

#### Assessment Guidelines

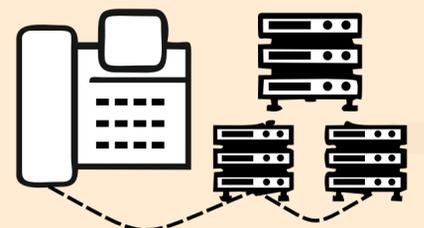
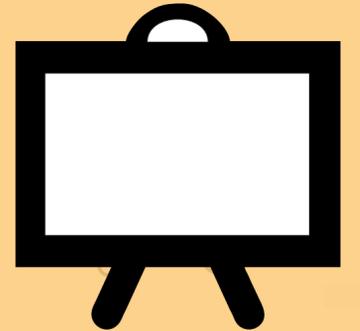
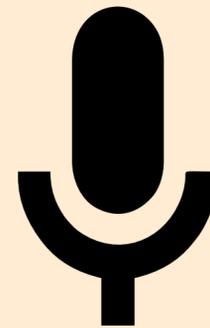
1. Each performance criteria (PC) will be assigned Theory and Skill/Practical marks proportional to its importance in NOS.
2. The Assessment for the theory part will be based on Knowledge bank of questions created by SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable on the selected option NOS/ set of NOS.
4. Individual assessment agencies will create unique question papers for theory and skill practical part for each candidate at each examination/ training centre.
5. To pass the Qualification Pack, every trainee should score minimum 70% of aggregate marks to successfully clear the assessment.
6. In case of unsuccessful completion, the trainee may seek re-assessment on the Qualification pack.



## EQUIPMENT LIST

### Optical Fibre Technician (TEL/Q6401)

1.	Fiber Optic Power Meter	x1
2.	Fiber Optic Test Source	x1
3.	OTDR	x1
4.	Cable Cutter	x5
5.	Cable Splitter	x5
6.	Cable Jacket Stripper	x5
7.	Connector Crimper	x5
8.	Fiber Optic Stripper	x5
9.	Tweezers	x5
10.	Cleaver	x5
11.	Fusion Splicer (Splicing machine)	x2
12.	Connectors	x5
13.	Splices	x5
14.	Black/White Board	x1
15.	Projection System with PC/Laptop	x1





# CAREER MAP FOR OPTICAL FIBER TECHNICIAN

## Passive Infra Planner - OSP

This role requires planning skills and structural design/layout of the project.



**NSQF - 6**

**NSQF - 5**

**Outside plant fiber installation, testing and commissioning Supervisor**



This role requires on-site problem-solving skills and adhere to the process as defined by the organization.

## Optical Fiber Technician/Fiber to the Home (FTTH/X) Installer

This role requires the individual to work in the field with the splicer team and perform fiber installation at customer premises.

**NSQF - 3**

**NSQF - 4**

## Optical Fiber Splicer

This role requires the individual to work in the field and perform splicing of the fiber cable