

Microwave Engineer Telecommunication

Aliases: Telecom Engineer,

Industry/Sector(s): Telecom

JOB DESCRIPTION ¹

The tasks a Microwave Engineer Telecommunication is expected to perform include:

- Designing, installing, maintaining and operating special telecommunication equipment
- Working on microwaves such as radar, navigational aids, etc. to maintain communication between specified points
- Preparing layout and supervising installation of microwave project taking into account site, accessibility, availability of power, etc.
- Checking functional operations of equipment and putting it into action to establish communication between specified points
- Keeping regular watch and recording all readings registered by instruments
- Detecting any faults, ascertaining reasons of break downs, and setting them right either by adjusting or by getting defective components replaced
- Supervising regular maintenance of equipment according to schedule, including maintenance of wave guides, distribution lines, aerials etc.
- Keeping units in working order, and ensuring proper reception and transmission of messages
- Undertaking research in problems connected with tele - communication engineering and carrying out administrative duties

WORK ENVIRONMENT ²

- It is not a desk job and requires field work
- The role does not involve team handling
- Travelling is required on the job
- Part-time work and contractual jobs are not available
- Work from home option is not available

Working hours

- Work is for 5 days a week and minimum 8/9 hours every day
- Shift work is available in some companies

Is the job suitable for a candidate with special needs?

This job is suitable for candidates with One Leg (OL) and One Arm (OA)

EDUCATIONAL QUALIFICATIONS AND TRAINING ⁶

Minimum – Diploma/B.Sc/BE/B-Tech/ME/M-Tech/M.Sc – Electrical/Electronic or Communication

KEY COMPETENCIES

- Working knowledge of telecommunication equipment and microwaves
- Understanding of layout and installation of microwave project
- Expertise in checking functional operations of equipment and putting it into action
- Basic knowledge of recording all readings registered by instruments
- Knowledge of faults, reasons of break downs, etc. and the corrective action required
- Knowledge of maintenance of equipment, wave guides, distribution lines, aerials, etc.
- Knowledge of undertaking research in problems connected with tele - communication engineering

DESIRABLE COMPETENCIES

Not applicable

AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES ⁸

- Engineering, Science and Polytechnic colleges across the country
- IIT, ITI across the country

AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

<http://www.nsdcindia.org/advocacy>

SAMPLE OF TRAINING AND LEARNING COURSES

- <http://techvidhya.in/>
- <http://www.iittglobal.com/ctelecomegg.php>
- <http://www.simtechindia.in/promotion/>

CAREER PROGRESSION PATH ⁹

Microwave Technician/Microwave Installation → **Microwave Engineer, Telecommunication** → Supervisor, Telecommunication → Manager, Communication → General Manager, Communication → Director, Communication

Transfer option

•India: Yes

•Abroad: Yes

(*This field to open the relevant job title when clicked)

EXPECTED EARNINGS ¹¹

•For Freshers – ₹ 10,000 to ₹ 15,000 per month

•For candidates with up to 4 years' experience – ₹ 15,000 to ₹ 25,000 per month

•For candidates with over 4 years' experience – ₹ 25,000 and above per month

(These figures are indicative and subject to change)

REQUIRED WORK EXPERIENCE ²

Freshers may apply

PROBABLE EMPLOYERS ¹⁴

•Telecom companies

•Shipping and aircraft companies

•Broadcasting companies and engineering agencies

PEOPLE'S CORNER

Coming Soon

KEYWORDS ¹¹

•Microwave Engineering

•Frequency Radar

•Telecommunication

OCCUPATIONAL CODES AND STANDARDS

Standard	Code	Description
NCO 2015	2153.0300	Microwave Engineer Telecommunication
ISCO 2008	2153	Telecommunication Engineers
NIC 2008	61900	Other telecommunications activities
QP Reference	NA	NA
NSQF	NA	NA

REFERENCES

1	http://dget.nic.in/upload/uploadfiles/files/publication/Des-Div-1.pdf
2	www.naukri.com www.shine.com www.timesjobs.com
3	www.naukri.com www.shine.com www.timesjobs.com
4	http://socialjustice.nic.in/policiesacts3.php
5	http://www.advocatekhoj.com/library/bareacts/factories/index.php?Title=Factories%20Act,%201948
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8	http://www.minglebox.com/engineering/colleges/category/telecommunication-engineering
9	www.indeed.com
10	http://jobsearch.naukri.com/radio-frequency-engineer-jobs
11	www.naukri.com www.shine.com www.timesjobs.com
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13	<p>http://www.nsdcindia.org/sites/default/files/files/Executive-Summary-Telecommunications.pdf</p> <p>http://www.coai.com/Indian-Telecom-Infocentre/Telecom-Sector-Skill-Council</p>
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15	<p>http://www.ibef.org/industry/telecommunications.aspx</p>