

# Environmental Engineering Technician

**Aliases:** Environmental Assistant Engineer

**Industry/Sector(s):** Environmental Science

## JOB DESCRIPTION <sup>1</sup>

The tasks an Environmental Engineering Technician is expected to perform include:

- Applying the theories and principles of environmental engineering to modify, test and operate equipment and devices used in the prevention, control and remediation of environmental pollution including waste treatment and site remediation
- Assisting in the development of environmental pollution remediation devices under direction of Engineers
- Receiving, setting up, testing and decontaminating the equipment
- Arranging for disposal of lead, asbestos and other hazardous materials
- Assisting in the clean-up of hazardous material spills
- Conducting pollution surveys, and collecting and analysing samples such as air and groundwater
- Developing work plans including writing specifications and establishing material, manpower and facilities needed
- Inspecting facilities to monitor compliance with regulations governing substances such as asbestos, lead and wastewater

## WORK ENVIRONMENT <sup>1, 2</sup>

- It is a field and laboratory job
- Need not handle a team
- Travelling is part of this job role
- Part-time work and contractual jobs are available
- Work from home option is not available

### Working hours

- Organizations usually work for 5/6 days a week and 8/9 hours everyday. This may vary from organization to organization
- Shift system may be available
- Overtime may be required

### Is the job suitable for a candidate with special needs?

This job is suitable for candidates with One Leg (OL), people with One Arm (OA), One Arm and Leg (OAL) and those who have their Hearing Impaired (HH)

*This may vary from organization to organization*

## EDUCATIONAL QUALIFICATIONS AND TRAINING <sup>4</sup>

Preferably, Bachelor's degree in environmental engineering

## KEY COMPETENCIES <sup>1</sup>

- Proficient in choosing the places from which to gather the required samples and information
- In depth knowledge of how to conduct required tests and experiments
- Proficient in using technology to produce the work products
- Working knowledge of cleaning up and disposal of lead, asbestos and other hazardous materials
- In depth knowledge related to various diseases and harmful effects of pollutants
- Ability to read and create engineering designs related to the work profile
- Ability to evaluate the effectiveness or performance of procedures, interventions and programmes

## DESIRABLE COMPETENCIES <sup>1</sup>

- Good communication skills
- Time management skills
- Decision-making skills

## AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES

Colleges offering environment engineering across India

## AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

For scholarship and schemes, use further links like:

- <https://scholarships.gov.in/>

## SAMPLE OF TRAINING AND LEARNING COURSES

<https://targetstudy.com/courses/btech-environmental-engineering.html>

## CAREER PROGRESSION PATH <sup>3</sup>

**Environmental Engineering Technician** → Environmental Science Engineer → Environmental Science Health and Safety Officer → Environment Compliance Inspector → Project Officer → Professor, Scientist, Researcher  
*The progression is indicative*

## EXPECTED EARNINGS <sup>4</sup>

- For new entrants - Rs 37,000 to Rs 91,000 per month

*These figures are indicative and subject to change*

## REQUIRED WORK EXPERIENCE <sup>4</sup>

Some organizations hire new entrants too

## PROBABLE EMPLOYERS <sup>4</sup>

- Central Pollution Control Board (State Government)
- Scientific and technical consulting services
- Petrochemical industries
- Hydro-chemical industries
- NGOs working for health and safety of public
- Organizations involved in research and innovation

## KEYWORDS

- Engineering Technicians
- Assistant Engineers

## OCCUPATIONAL CODES AND STANDARDS

Standard	Code	Description
NCO 2015	3257.0500	Environmental Engineering Technician
ISCO 2008	3257	Environmental and Occupational Health Inspectors and Associates
NIC 2008	39000	Remediation activities and other waste management services
QP Reference	Not available	Not available
NSQF	Not available	Not available

## REFERENCES

1	National Classification of Occupation Division 3
2	<a href="http://www.ccdisabilities.nic.in/page.php?s=reg&amp;t=def&amp;p=list_jobsNew">http://www.ccdisabilities.nic.in/page.php?s=reg&amp;t=def&amp;p=list_jobsNew</a>
3	<a href="http://dget.nic.in/upload/uploadfiles/files/publication/Des-Div-3.pdf">http://dget.nic.in/upload/uploadfiles/files/publication/Des-Div-3.pdf</a>
4	<a href="http://tspsc.gov.in/DIRECTRECRUITMENTNOTI/notifn.no.12-2017t.s.pcb-latest.pdf">http://tspsc.gov.in/DIRECTRECRUITMENTNOTI/notifn.no.12-2017t.s.pcb-latest.pdf</a>