



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

पर्यावरण इंजीनियर

Environmental engineers design ways to protect air, water and soil from pollution - water treatment, waste management and clean energy. In the climate-crisis era it is a fast-rising career.



Scan for everything on this career

Salary, exams, colleges, the routes in and the steps after — all on the portal.

career.gsssjethantri.in/#/career/eng-4618

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

Govt. Sr. Sec. School, Jethantri · ब्लॉक समदड़ी · बालोतरा (Block Samdari · Balotra)

www.gsssjethantri.in · career.gsssjethantri.in



सुशील कुमार शर्मा

प्रधानाचार्य, रा.उ.मा.वि. जेठन्तरी · मास्टर ट्रेनर
Principal, GSSS Jethantri · Master Trainer



श्री चेनाराम चौधरी

प्रधानाचार्य, डाइट बाड़मेर
Principal, DIET Barmer



श्रीमती संघमित्रा

वरिष्ठ व्याख्याता, डाइट बाड़मेर (सहयोग)
Sr. Lecturer, DIET Barmer (Support)



भरत चौधरी

अभिकल्पना व विकास · व्याख्याता (इतिहास)
Designed & developed · Lecturer (History)

विशेष धन्यवाद · SPECIAL THANKS



सुरेन्द्र सिंह राठौड़

व्याख्याता (इतिहास) · रा.उ.मा.वि. कानाना



सुरेश कुमार सैन

व्याख्याता (भूगोल) · रा.उ.मा.वि. रामसीन मूंगड़ा



वनिता कुमारी

व्याख्याता (इतिहास) · रा.उ.मा.वि. रामसीन मूंगड़ा



कमलेश चौधरी

व्याख्याता (राजनीति विज्ञान) · रा.उ.मा.वि. टापरा

करियर मार्गदर्शन कार्यशाला, डाइट बाड़मेर (14-17 जुलाई 2026) में विकसित व लोकार्पित
Developed & unveiled at the Career Guidance Workshop, DIET Barmer (14-17 July 2026)

यह एक स्वतंत्र परियोजना है, जो सरकार की आधिकारिक करियर-मार्गदर्शन सामग्री पर आधारित है। · An independent project based on the Government's official career-guidance content.

1 About this career

Environmental engineers design ways to protect air, water and soil from pollution - water treatment, waste management and clean energy. In the climate-crisis era it is a fast-rising career.

2 At a glance

Minimum qualification	12th PCM/PCB + B.Tech or diploma
Work mode	Mix of office, lab and field sites
Demand	Rising - in ESG, water treatment and clean energy
Top earning	Senior consultant/scientist: Rs 1.5-2.5 lakh/month

3 What you need

INTERESTS

- Concern for environment and nature
- Working together in a team
- Solving problems with science

ABILITIES

- Analytical, solution-oriented thinking
- Attention to detail
- Strong communication skills

KEY SKILLS

- Water and wastewater treatment technology
- Solid waste management
- GIS and monitoring instruments
- Report writing and presentation
- Air pollution control
- Environmental impact assessment (EIA)
- Knowledge of environmental laws

4 How to get there

- 1 Pass 10+2 with Physics, Chemistry, Maths/Biology.
- 2 Do B.Tech/B.E. in environmental or civil engineering via JEE Main/REAP, or take a polytechnic diploma.
- 3 Intern with pollution control boards, NGOs or consultancies.
- 4 Specialise with M.Tech (Environmental Engineering) via GATE.
- 5 Start work in government boards, industry or research institutes.

MAIN EXAMS

- JEE Main / JEE Advanced
- REAP (Rajasthan)
- GATE (Environmental Science and Engineering)
- State pollution control board recruitment exams

5 Where to study

GOVERNMENT INSTITUTES

- MNIT Jaipur (Civil/Environmental) — Jaipur, Rajasthan (<https://www.mnit.ac.in>)
- MBM University — Jodhpur, Rajasthan
- Rajasthan Technical University (RTU) — Kota, Rajasthan
- IIT Jodhpur — Jodhpur, Rajasthan (<https://iitj.ac.in>)
- IIT Roorkee — Roorkee, Uttarakhand
- NIT Kurukshetra — Kurukshetra, Haryana

PRIVATE INSTITUTES

- Singhanian University (Diploma) — Jhunjhunu, Rajasthan
- University of Technology (Diploma) — Jaipur, Rajasthan
- Manipal University Jaipur — Jaipur, Rajasthan

ONLINE

- NPTEL/SWAYAM (Environmental Engineering courses) — Online (<https://nptel.ac.in>)

FEES

Full course about Rs 50,000-4 lakh in government institutes; Rs 3-12 lakh in private. Diploma is cheaper; varies by institute.

SCHOLARSHIPS

- National Scholarship Portal (<https://scholarships.gov.in>)
- Vidya Lakshmi Education Loan Portal (<https://www.vidyalakshmi.co.in>)
- Buddy4Study (<https://www.buddy4study.com>)

6 What the work is like

WHERE YOU WORK

Pollution control boards, municipal bodies, water treatment plants, consultancies, industries (cement, petrochemical), NGOs and research institutes.

WORK CULTURE

Around 8 hours daily; field visits along with office-lab work. Overtime or shifts when needed. Opportunities exist for persons with disabilities.

WHO HIRES

- | | |
|---|--|
| • Central/State Pollution Control Boards | • Municipal corporations and water departments |
| • Environmental consultancies (ERM, Ramboll etc.) | • Cement, mining and petrochemical companies |
| • Clean energy and water-treatment firms (VA Tech Wabag etc.) | • Research institutes like CSIR-NEERI |

DEMAND (2026)

In 2026 demand keeps rising with ESG rules, Swachh Bharat, Namami Gange and net-zero goals; solar and water projects in Rajasthan add opportunities.

7 Career growth

- 1 Environmental engineering technician
- 2 Environmental engineer

- 3 Environment, health and safety (EHS) officer
- 4 Compliance inspector / project officer
- 5 Professor / scientist / senior consultant

EARNINGS

Starting	₹20,000-35,000
Mid level	₹45,000-90,000
Senior level	₹1,00,000-2,50,000

Monthly pay; differs across government boards, consultancies and industry. 2026 levels, indicative.

8 The good parts · The challenges**The good parts**

- Meaningful work for society and environment
- Growing opportunities in the ESG era
- Paths in both government and private sectors

The challenges

- Starting pay lower than core IT
- Work at field and polluted sites
- Regulatory paperwork can be slow

9 Real-life journeys**Dr. Rakesh Kumar**

Former Director, CSIR-NEERI (National Environmental Engineering Research Institute)

With a PhD in environmental engineering from Nagpur University, Dr. Rakesh Kumar rose to head NEERI, India's top environmental institute. His work on air quality and wastewater recycling brought major change to Indian cities.

Bureau of Indian Standards (Govt. of India) · <https://www.bis.gov.in/wp-content/uploads/Dr.-Rakesh-Kumar1.pdf>

Dr. Parul Baranwal

Water quality program manager (environmental engineer)

Raised in India, Parul topped GATE, studied at IIT Roorkee and inspected water quality at the Central Pollution Control Board. After a PhD in environmental engineering she now works in the US ensuring safe water for underserved communities.

Empowering Women in Industry · <https://www.empoweringwomeninindustry.com/post/meet-dr-parul-baranwal>

10 If this route does not work out

One exam or one attempt does not close the door. The same subjects also open these routes — entry is usually easier, and you can return to this field later.

- Mechanical Engineer
- Civil Engineer
- Electrical and Electronics Engineer

11 Sources & further reading

1. Rajasthan Career Guidance: Environmental Engineer — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%aa%e0%a4%b0%e0%a5%8d%e0%a4%af%e0%a4%be%e0%a4%b5%e0%a4%b0%e0%a4%a3-%e0%a4%87%e0%a4%82%e0%a4%9c%e0%a5%80%e0%a4%a8%e0%a4%bf%e0%a4%af%e0%a4%b0-environmental-engineer/>
2. AICTE — <https://www.aicte-india.org>
3. NPTEL (free online courses) — <https://nptel.ac.in>
4. National Career Service (NCS) — <https://www.ncs.gov.in>



And 770+ more careers — the whole portal

Interest and aptitude tests, government jobs, skill courses and a CV builder — free, no login, and it works offline.

career.gssjethantri.in