



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

भूविज्ञानी

Geologists study the Earth's rocks, minerals and land. They explore for minerals and water, assess earthquakes and landslides, and plan safe construction. In mineral-rich Rajasthan, geologists are especially valued in mining and...



Scan for everything on this career

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

career.gsssjethantri.in/#/career/geologist

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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

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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

Geologists study the Earth's rocks, minerals and land. They explore for minerals and water, assess earthquakes and landslides, and plan safe construction. In mineral-rich Rajasthan, geologists are especially valued in mining and surveying.

2 At a glance

Minimum qualification	B.Sc. / M.Sc. in Geology
Key employer	Geological Survey of India (GSI)
Starting salary	Rs 25,000–45,000/month
Work mode	Field, mines, laboratory

3 What you need

INTERESTS

- Interested in science and the Earth's history
- Like analysing problems and situations
- Enjoy fieldwork and travel outdoors

ABILITIES

- Sharp observation and attention to detail
- Physical stamina and teamwork
- Ability to read maps, data and technology

KEY SKILLS

- Identifying rocks and minerals
- GIS and remote-sensing software
- Report writing and data interpretation
- Geological mapping and surveying
- Sample collection and lab analysis
- Safety management in the field

4 How to get there

- 1 Pass class 12 science (physics, chemistry, maths/biology).
- 2 Complete a B.Sc. in Geology.
- 3 Do an M.Sc. in Geology / Applied Geology—needed for most jobs.
- 4 Take GATE or the UPSC Geologist exam for GSI/PSU recruitment.
- 5 Pursue a Ph.D. for research roles.

MAIN EXAMS

- UPSC Combined Geo-Scientist exam
- CSIR-UGC NET (Earth Sciences)
- GATE (Geology/Geophysics)
- University M.Sc. admission (CUET-PG)

5 Where to study

GOVERNMENT INSTITUTES

- University of Rajasthan (Dept. of Geology) — Jaipur (<https://www.uniraj.ac.in/>)
- Mohanlal Sukhadia University — Udaipur (<https://www.mlsu.ac.in/>)
- Central University of Rajasthan — Ajmer (<https://www.curaj.ac.in/>)
- IIT (Indian School of Mines), Dhanbad — Dhanbad

PRIVATE INSTITUTES

- Sri Guru Ram Rai University — Dehradun
- Fergusson College — Pune
- JECRC University — Jaipur

ONLINE

- SWAYAM / NPTEL - Earth Sciences — Online (<https://swayam.gov.in/>)
- IGNOU (distance) — Distance learning (<https://www.ignou.ac.in/>)

FEES

B.Sc./M.Sc. courses cost roughly Rs 10,000 to Rs 2,00,000. Government universities are cheaper.

SCHOLARSHIPS

- National Scholarship Portal (<https://scholarships.gov.in>)

- INSPIRE Scholarship (DST) (<https://online-inspire.gov.in/>)
- Rajasthan SJE Scholarships (<https://sje.rajasthan.gov.in>)

6 What the work is like

WHERE YOU WORK

Geological Survey of India, mining companies, oil & gas firms, groundwater boards, environmental agencies and town-planning departments.

WORK CULTURE

Not a desk job—involves field surveys, mine visits and local travel. Usually 5–6 days a week, 8–9 hours; sometimes stays at remote camps. Opportunities also exist for persons with disabilities.

WHO HIRES

- | | |
|--|-------------------------------------|
| • Geological Survey of India (GSI) | • Hindustan Zinc Ltd (Udaipur) |
| • Rajasthan State Mines & Minerals (RSMML) | • ONGC and oil companies |
| • Central Ground Water Board | • Mining and construction companies |

DEMAND (2026)

Rajasthan is mineral-rich—large reserves of zinc, lead, marble, limestone and more. This keeps demand for geologists steady in mining and surveying, alongside government openings in GSI and PSUs.

7 Career growth

- 1 Intern / Junior geologist
- 2 Geologist
- 3 Senior geologist
- 4 Deputy Director
- 5 Director

EARNINGS

Starting	₹25,000–45,000
Mid level	₹55,000–90,000
Senior level	₹1,20,000+

Figures are 2026 estimates; government GSI/PSU posts offer higher pay and stability.

8 The good parts · The challenges

The good parts

- Strong demand in Rajasthan's mining sector
- Adventurous work full of fieldwork and travel
- Stable government career in GSI/PSUs

The challenges

- Long fieldwork in remote, tough terrain
- Master's degree usually needed for good jobs
- Physical risk from weather and mine sites

9 Real-life journeys

Sudipta Sengupta

Geologist, among the first Indian women in Antarctica

Sudipta Sengupta was among the first Indian women to do research in Antarctica. Educated at Jadavpur University, she worked with the Geological Survey of India and is the only woman to win the Shanti Swarup Bhatnagar Prize in Earth Sciences. She is also an accomplished mountaineer.

The Life of Science · <https://thelifeofscience.com/2020/11/17/sudipta-geologist/>

M. S. Krishnan

Geologist, authority on India's mineral resources

M. S. Krishnan was a pioneering Indian geologist who served in the Geological Survey of India and mapped the country's mineral resources in depth. His book 'Geology of India and Burma' is still a student reference, and the Indian National Science Academy awards the 'Krishnan Medal' in his honour.

Wikipedia · [https://en.wikipedia.org/wiki/M._S._Krishnan_\(geologist\)](https://en.wikipedia.org/wiki/M._S._Krishnan_(geologist))

10 Sources & further reading

1. Geological Survey of India — <https://www.gsi.gov.in/>
2. Rajasthan Dept. of Mines & Geology — <https://mines.rajasthan.gov.in/>
3. UPSC Geo-Scientist exam — <https://upsc.gov.in/>
4. Source career guide (Govt. of Rajasthan) — <https://cg.rajasthan.gov.in/careerguidance/>



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