



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

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करियर शीट · CAREER SHEET

इंडियन रेलवे सर्विस ऑफ इंजीनियर्स

IRSE officers maintain Indian Railways' fixed assets - track, bridges, tunnels, buildings and water supply - and build new lines, doublings and gauge conversions. It is a Group-A gazetted post entered through UPSC ESE (IES), now...



Scan for everything on this career

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

career.gsssjethantri.in/#/career/indian-railway-service-of-engineers

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

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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

IRSE officers maintain Indian Railways' fixed assets - track, bridges, tunnels, buildings and water supply - and build new lines, doublings and gauge conversions. It is a Group-A gazetted post entered through UPSC ESE (IES), now the civil cadre of the Indian Railway Management Service (IRMS).

2 At a glance

Service class	Group-A gazetted officer
Selection exam	UPSC ESE (IES)
Minimum qualification	B.E./B.Tech (Civil)
Training institute	IRICEN, Pune

3 What you need

INTERESTS

- Building things and structures
- Leadership and project management
- Mathematics and geometry

ABILITIES

- Structural and logical thinking
- Ability to lead a team
- Strong mathematical ability

KEY SKILLS

- Civil/structural design
- Surveying and geotechnical knowledge
- Problem-solving and decision-making
- Leadership and coordination
- Project and contract management
- AutoCAD / STAAD.Pro
- Safety and quality management

4 How to get there

- 1 Pass 10+2 with Physics, Chemistry, Maths.
- 2 Complete a B.E./B.Tech in Civil Engineering.
- 3 Clear UPSC ESE (IES) - Prelims, Mains and Interview.
- 4 Get appointed as an IRMS (Civil) Group-A officer.
- 5 Undergo probation training at IRICEN, Pune and NAIR, Vadodara.

MAIN EXAMS

- UPSC Engineering Services Examination (ESE/IES)
- GATE (optional - for PSUs / M.Tech)

5 Where to study

GOVERNMENT INSTITUTES

- IIT Madras — Chennai, Tamil Nadu (<https://www.iitm.ac.in>)
- IIT Roorkee — Roorkee, Uttarakhand
- IIT Jodhpur — Jodhpur, Rajasthan
- MNIT Jaipur — Jaipur, Rajasthan (<https://mnit.ac.in>)
- CTAE Udaipur — Udaipur, Rajasthan

PRIVATE INSTITUTES

- BITS Pilani — Pilani, Rajasthan
- Manipal University Jaipur — Jaipur, Rajasthan
- Chitkara University — Punjab
- LPU (Diploma) — Jalandhar, Punjab

ONLINE

- NPTEL - Introduction to Civil Engineering — Online (<https://onlinecourses.nptel.ac.in>)
- Udemy - Structural Engineering — Online (<https://www.udemy.com>)
- स्वयं (SWAYAM) — भारत सरकार के निःशुल्क ऑनलाइन कोर्स — Free (<https://swayam.gov.in/>)
- राष्ट्रीय डिजिटल पुस्तकालय (NDLI) — Free books and study material (<https://ndl.iitkgp.ac.in/>)
- एन.सी.ई.आर.टी. — निःशुल्क पाठ्यपुस्तकें — The foundation for general knowledge, maths and science (<https://ncert.nic.in/>)

FEES

B.E./B.Tech engineering fees roughly Rs 68,000 - 2,00,000 (varies by institute). Post-ESE training is free and paid.

SCHOLARSHIPS

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

6 What the work is like

WHERE YOU WORK

Indian Railways' 17 zones, divisional offices, construction project sites, bridges and track areas.

WORK CULTURE

Mix of office and field work; leading large teams; local travel; 5-6 days a week, 8-9 hours. Opportunities available for persons with disabilities.

WHO HIRES

- | | |
|---------------------------------------|-------------------------------|
| • Indian Railways (17 zones) | • Rail Vikas Nigam Ltd (RVNL) |
| • IRCON International | • RITES Ltd |
| • DFCCIL (Dedicated Freight Corridor) | • NCSRCL (Bullet Train) |

DEMAND (2026)

Steady government demand - new lines, doublings, dedicated freight corridors and high-speed rail expansion keep civil engineers in continuous need. One thing to be clear about — the "demand" described above counts posts, not your chance of getting one. Selection is by open competition and the number of applicants runs to many times the number of posts, so most candidates are not selected in any given recruitment. That is not an argument against this career; it is an argument against making it your only plan. Keep studying or building a skill alongside your preparation, so that the year is not lost whichever way the result goes.

7 Career growth

- 1 Assistant Divisional Engineer

- 2 Divisional Engineer
- 3 Senior Divisional Engineer
- 4 Deputy Chief Engineer
- 5 Chief Engineer
- 6 Principal Chief Engineer / General Manager
- 7 Member (Infrastructure), Railway Board

EARNINGS

Starting	₹56,100 (मूल, लेवल-10)
Mid level	₹1,31,100 – ₹1,51,100 (लेवल 12-13)
Senior level	₹2,25,000 (शीर्ष/अपेक्स)

The starting figure is BASIC PAY — the entry basic at pay matrix Level 10 — so that it can be compared directly against other careers. Dearness allowance (60% of basic since 1 January 2026) and house rent allowance are added on top of it, so take-home pay is appreciably higher. The mid-level and senior figures are approximate monthly income including allowances, not basic pay. Starts at Group-A Level 10 (7th CPC); DA, HRA, housing and medical benefits additional. The figures above rest on the 7th Central Pay Commission matrix, which is what applies as of 16 August 2026. The Union Cabinet approved the Terms of Reference of the 8th Central Pay Commission on 28 October 2025, and it must report within 18 months of its constitution. It has not reported yet, so no revised pay scale exists — but these figures will change. Dearness allowance has been 60% of basic pay since 1 January 2026.

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

- Job security, prestige and Group-A officer status
- Nation-building through major infrastructure projects
- Good pay, housing and railway perks

The challenges

- Frequent transfers and field postings
- High pressure of safety and deadlines
- Long working hours during projects

9 Real-life journeys

Palash Pagaria

ESE 2015 All-India Rank 1

From Udaipur, Rajasthan, Palash graduated in Civil Engineering from IIT-BHU as a gold medalist and, without coaching, secured All-India Rank 1 in ESE 2015, opting for the Indian Railway Service of Engineers.

AglaSem Career (via Internet Archive Wayback Machine) · <https://web.archive.org/web/20240913073330/https://career.aglasem.com/palash-pagaria-e-se-ies-rank-1/>

Avantika Rathore

ESE 2023 All-India Rank 4 (Civil)

Through persistence, Avantika secured All-India Rank 4 in Civil Engineering in ESE 2023 on her fourth attempt and became an Assistant Executive Engineer.

CTWT (College Tips with Toppers) · <https://www.youtube.com/watch?v=jMmNJZpTvAA>

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.

- Indian Railway Service of Signal Engineers
- Indian Railway Service of Mechanical Engineers
- Indian Railway Service of Electrical Engineers

11 Sources & further reading

1. Rajasthan Career Guidance Portal — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%87%e0%a4%82%e0%a4%a1%e0%a4%bf%e0%a4%af%e0%a4%a8-%e0%a4%b0%e0%a5%87%e0%a4%b2%e0%a4%b5%e0%a5%87-%e0%a4%b8%e0%a4%b0%e0%a5%8d%e0%a4%b5%e0%a4%bf%e0%a4%b8-%e0%a4%91%e0%a4%ab-%e0%a4%87%e0%a4%82/>
2. Wikipedia: Indian Railway Service of Engineers — https://en.wikipedia.org/wiki/Indian_Railway_Service_of_Engineers

3. UPSC Engineering Services Examination — <https://upsc.gov.in>
4. IRICEN, Pune — <https://iricen.gov.in>
5. Indian Railway Management Service (IRMS) — https://en.wikipedia.org/wiki/Indian_Railway_Management_Service
6. 8th Central Pay Commission — Cabinet approval of the Terms of Reference (PIB, 28 October 2025) — <https://www.pib.gov.in/PressReleasePage.aspx?PRID=2183289>

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