



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

जल संसाधन प्रबंधक

Water resource managers plan and manage water supply, irrigation, groundwater and water quality. In arid Rajasthan, this career is vital for solving the water crisis.



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-6980

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

Water resource managers plan and manage water supply, irrigation, groundwater and water quality. In arid Rajasthan, this career is vital for solving the water crisis.

2 At a glance

Minimum qualification	B.Tech civil/environmental or B.Sc. + PG in water management
Work mode	Both field and desk, travel to project sites
Demand	High (Jal Jeevan Mission, ERCP, water stress)
Top earning	₹25 lakh/year or more (senior level)

3 What you need

INTERESTS

- Interest in environment and water conservation
- Building practical solutions for society
- Planning and organising

ABILITIES

- Understanding data, maps and graphs
- Coordinating with teams and communities
- Working with instruments and software

KEY SKILLS

- Knowledge of hydrology and water science
- Water quality testing and treatment
- Project management and budgeting
- GIS and remote sensing
- Irrigation and rainwater harvesting design
- Awareness of water policy and regulations

4 How to get there

- 1 Complete Class 12 Science
- 2 Do a bachelor's in civil/environmental engineering or environmental science
- 3 Do M.Tech/M.Sc. in water resources engineering/management
- 4 Take certificate courses in GIS and water quality
- 5 Gain experience in water department/NGO projects

MAIN EXAMS

- JEE Main / REAP (B.Tech admission)
- GATE (M.Tech and PSU recruitment)
- RPSC/UPSC (government water department services)

5 Where to study

GOVERNMENT INSTITUTES

- एमएनआईटी जयपुर — Jaipur, Rajasthan (<https://www.mnit.ac.in>)
- एमबीएम विश्वविद्यालय — Jodhpur, Rajasthan (<https://www.mbm.ac.in>)
- राजस्थान तकनीकी विश्वविद्यालय (RTU) — Kota, Rajasthan
- सीटीईई (एमपीयूएटी) — Udaipur, Rajasthan
- आईआईटी रुड़की (जल संसाधन विभाग) — Roorkee, Uttarakhand

PRIVATE INSTITUTES

- बिट्स पिलानी — Pilani, Rajasthan (<https://www.bits-pilani.ac.in>)
- पूर्णिमा विश्वविद्यालय — Jaipur, Rajasthan

ONLINE

- IGNOU — Distance education, national (<https://www.ignou.ac.in>)

FEES

About ₹50,000-2 lakh/year in government institutes; ₹2-6 lakh/year in private ones. Varies by institute.

SCHOLARSHIPS

- राष्ट्रीय छात्रवृत्ति पोर्टल (NSP) (<https://scholarships.gov.in>)

- राजस्थान सामाजिक न्याय छात्रवृत्ति (<https://sje.rajasthan.gov.in/>)
- विद्या लक्ष्मी शिक्षा ऋण पोर्टल (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

Water resources department, PHED, municipal bodies, irrigation projects, consulting firms and water-focused NGOs.

WORK CULTURE

Mix of field and desk; visits to dam-canal sites; 5-6 days a week, 8-9 hours; workload can rise in monsoon.

WHO HIRES

- Rajasthan Water Resources Department and PHED
- Jal Jeevan Mission/ERCP projects
- Water-focused NGOs and trusts
- Central Water Commission and Central Ground Water Board
- Consulting firms (WAPCOS, Tata Consulting)
- World Bank/ADB water projects

DEMAND (2026)

Jal Jeevan Mission, ERCP-type projects and deepening water stress keep demand for water experts high across India, especially Rajasthan, in 2026.

7 Career growth

- 1 Water resources technician/assistant engineer
- 2 Water resource manager/project manager
- 3 Senior manager/superintending engineer
- 4 Director/chief engineer/senior consultant

EARNINGS

Starting	₹30,000-50,000
Mid level	₹70,000-1,20,000
Senior level	₹1,50,000-2,10,000+

Monthly estimates (2026). Government posts follow pay-scale norms; source range ₹4-25 lakh/year.

8 The good parts · The challenges

The good parts

- Direct positive impact on society and environment
- Stable opportunities in government and international projects
- Special relevance and local jobs in Rajasthan

The challenges

- Field duty at remote project sites
- Slow pace of government processes
- Work pressure during droughts/floods

9 Real-life journeys

Amla Ruia

Water conservationist, founder of Aakar Charitable Trust

Known as the Water Mother, Amla Ruia built check dams in hundreds of Rajasthan villages, turning parched land into fertile farms. Her water harvesting model raised incomes of thousands of farming families.

Wikipedia · https://en.wikipedia.org/wiki/Amla_Ruia

Ayyappa Masagi

Founder of Water Literacy Foundation, the Water Doctor

Mechanical engineer Ayyappa Masagi, who faced water scarcity as a child, left his job to dedicate his life to water conservation. His Water Literacy Foundation has built thousands of water harvesting structures.

Wikipedia · https://en.wikipedia.org/wiki/Ayyappa_Masagi

10 Sources & further reading

1. Rajasthan Career Guidance - Water Resource Manager — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%9c%e0%a4%b2-%e0%a4%b8%e0%a4%82%e0%a4%b8%e0%a4%be%e0%a4%a7%e0%a4%a8-%e0%a4%aa%e0%a5%8d%e0%a4%b0%e0%a4%ac%e0%a4%82%e0%a4%a7%e0%a4%95-water-resource-manager/>
2. Rajasthan Water Resources Department — <https://water.rajasthan.gov.in>
3. National Career Service (NCS) — <https://www.ncs.gov.in>
4. NIRF Rankings — <https://www.nirfindia.org>



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

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