



SAARTHI • सारथी

करियर मार्गदर्शन पोर्टल • Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट • CAREER SHEET

मौसम विज्ञानी

Meteorologists study the atmosphere to forecast weather, issue cyclone warnings and research climate. Their work is vital for farmers, the air force and sectors like solar energy.



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-4636

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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

Meteorologists study the atmosphere to forecast weather, issue cyclone warnings and research climate. Their work is vital for farmers, the air force and sectors like solar energy.

2 At a glance

Minimum qualification	B.Sc in Physics/Maths followed by M.Sc/M.Tech in Atmospheric Science
Work mode	Office, observatory and computer modelling; full-time
Demand	Rising demand from climate change, disaster warning and agri-tech
Top earning	₹2 lakh+ per month at senior scientist level

3 What you need

INTERESTS

- Interest in science and nature
- Solving scientific problems with computers
- Analysing problems and data

ABILITIES

- Attention to detail
- Patience for long-term research
- Mathematical and statistical thinking

KEY SKILLS

- Understanding of atmospheric physics
- Satellite and radar data analysis
- Report writing and communicating forecasts
- Weather models and computer simulation
- Programming (Python/Fortran)

4 How to get there

- 1 Complete Class 12 in Science (Physics, Chemistry, Maths)
- 2 Do B.Sc in Physics/Maths or a B.Tech
- 3 Do M.Sc/M.Tech in Atmospheric Science/Meteorology
- 4 Appear for recruitment of IMD, ISRO or research institutes
- 5 Opt for a PhD for research careers

MAIN EXAMS

- IIT JAM/CUET-PG (for M.Sc)
- GATE (for M.Tech and scientist posts)
- UGC/CSIR NET (for research)

5 Where to study

GOVERNMENT INSTITUTES

- Central University of Rajasthan (Atmospheric Science) — Ajmer, Rajasthan (<https://curaj.ac.in>)
- IIT Delhi (Centre for Atmospheric Sciences) — New Delhi
- IIT Kharagpur — Kharagpur, West Bengal
- Indian Institute of Tropical Meteorology — Pune, Maharashtra
- Cochin University of Science and Technology — Kochi, Kerala

PRIVATE INSTITUTES

- Manipal Academy of Higher Education — Manipal, Karnataka
- UPES Dehradun — Dehradun, Uttarakhand

ONLINE

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

FEES

M.Sc costs about ₹10,000 to ₹1 lakh in government universities; more in private institutes.

SCHOLARSHIPS

- National Scholarship Portal (<https://scholarships.gov.in>)
- Rajasthan SJE Scholarships (<https://sje.rajasthan.gov.in>)

- Vidya Lakshmi Education Loan Portal (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

India Meteorological Department, ISRO, Air Force, research institutes, universities, agri-tech and solar firms; Met Centre in Jaipur.

WORK CULTURE

Full-time office/observatory work; 8-9 hours, 5-6 days a week; shifts at forecast centres; opportunities exist for persons with disabilities.

WHO HIRES

- India Meteorological Department (IMD)
- Indian Air Force
- Private weather and agri-tech firms (Skymet etc.)
- ISRO and space centres
- Research bodies like NCMRWF/IITM
- Solar/wind energy companies

DEMAND (2026)

Demand is growing in 2026 due to climate change, precision agro-met services and forecasting needs of Rajasthan's huge solar parks.

7 Career growth

- 1 Junior Researcher/Meteorological Assistant
- 2 Meteorologist/Scientist
- 3 Senior Scientist
- 4 Head of Department/Director General

EARNINGS

Starting	₹35,000-60,000
Mid level	₹80,000-1,40,000
Senior level	₹1,50,000-2,20,000

Government scientist posts follow 7th Pay Commission scales; private pay depends on experience.

8 The good parts · The challenges

The good parts

- Prestigious scientific career that protects society
- Stable government jobs and research opportunities
- New private openings in agri-tech and energy

The challenges

- Limited posts and tough competition
- Long study path (M.Sc/PhD) required
- Round-the-clock shift duty at forecast centres

9 Real-life journeys

Mrutyunjay Mohapatra

Director General, India Meteorological Department

After a cyclone devastated his Odisha village he became a meteorologist; his accurate cyclone forecasts saved thousands of lives, earning him the name Cyclone Man of India.

Global Indian · <https://www.globalindian.com/story/brand-india/mrutyunjay-mohapatra-building-indias-global-reputation-in-meteorology-as-imd-turns-150/>

Anna Mani

Deputy Director General, India Meteorological Department

Born in Kerala, Anna Mani made India self-reliant in weather instruments and pioneered solar radiation and ozone research.

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

10 Sources & further reading

1. Rajasthan Career Guidance Portal — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%ae%e0%a5%8c%e0%a4%b8%e0%a4%ae-%e0%a4%b5%e0%a4%bf%e0%a4%9c%e0%a5%8d%e0%a4%9e%e0%a4%be%e0%a4%a8%e0%a5%80-meteorologist/>
2. India Meteorological Department — <https://mausam.imd.gov.in>
3. National Career Service — <https://www.ncs.gov.in>
4. NPTEL courses — <https://nptel.ac.in>



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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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