



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

बैटरी इंजीनियर

A Battery Engineer designs, tests and develops batteries like lithium-ion cells that power EVs, solar storage and electronics. With gigafactories coming up in India, this career is booming in 2026.



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-6970

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

A Battery Engineer designs, tests and develops batteries like lithium-ion cells that power EVs, solar storage and electronics. With gigafactories coming up in India, this career is booming in 2026.

2 At a glance

Minimum qualification	B.Tech (Electrical/Chemical/Material Science)
Work mode	Mix of lab, factory and desk work
Demand	Very high; battery gigafactories and storage projects growing
Top earning	₹2.5 lakh+ per month at senior level

3 What you need

INTERESTS

- Working hands-on and in the lab
- Organising things and planning
- Creating new and modern things

ABILITIES

- Working with machines, tools and software
- Understanding numbers, data and graphs
- Creating new designs and patterns

KEY SKILLS

- Understanding electrochemistry and cell chemistry
- Knowledge of BMS (Battery Management Systems)
- Simulation and data analysis tools
- Battery pack design and thermal management
- Battery testing, safety and quality standards
- Awareness of recycling and new cell technologies like solid-state and sodium-ion

4 How to get there

- 1 Complete Class 12 in Science stream (Physics, Chemistry, Maths)
- 2 Do B.Tech in Electrical, Chemical or Material Science via JEE/REAP
- 3 Pursue M.Tech or PG diploma in battery/energy storage
- 4 Do internships and projects in battery companies or research labs
- 5 For research roles, take GATE and optionally do a PhD

MAIN EXAMS

- JEE Main and JEE Advanced
- REAP (Rajasthan Engineering Admission Process)
- GATE (for M.Tech/PhD/PSU jobs)

5 Where to study

GOVERNMENT INSTITUTES

- MNIT Jaipur — Jaipur, Rajasthan (<https://www.mnit.ac.in>)
- IIT Jodhpur — Jodhpur, Rajasthan (<https://www.iitj.ac.in>)
- Rajasthan Technical University — Kota, Rajasthan
- IISc Bengaluru — Bengaluru, Karnataka

PRIVATE INSTITUTES

- BITS Pilani — Pilani, Rajasthan
- Manipal University Jaipur — Jaipur, Rajasthan
- VIT Vellore — Vellore, Tamil Nadu

ONLINE

- IGNOU — Distance education
- NPTEL-SWAYAM Energy Storage Courses — Online

FEES

B.Tech/M.Tech fees are about ₹75,000 to ₹3 lakh per year in government institutes; private institutes may charge more.

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

Battery manufacturing plants, R&D centres, EV and energy companies, startups, universities.

WORK CULTURE

Both field (plant/lab) and desk work; 5-6 days a week, 8-9 hours; overtime possible; entrepreneurship option open.

WHO HIRES

- Ola Cell Technologies and Exide Energy
- EV companies Tata, Mahindra, Ather and TVS
- Research bodies like CSIR-CECRI
- Amara Raja and Tata Agratas gigafactories
- Solar-storage companies and DISCOM projects
- Battery recycling startups

DEMAND (2026)

With several gigafactories under the PLI scheme and rising EV and grid-storage needs, demand for battery engineers in 2026 far exceeds supply in India.

7 Career growth

- 1 Battery Engineer / Team Lead
- 2 Battery R&D Manager
- 3 Director of Battery Technology
- 4 Chief Technology Officer (CTO)

EARNINGS

Starting	₹35,000-60,000
Mid level	₹70,000-1,20,000
Senior level	₹1,50,000-2,50,000

Approximate monthly pay; cell chemistry experts also get international opportunities.

8 The good parts · The challenges

The good parts

- High salary and a fast-growing industry
- Contribution to the nation's energy self-reliance
- Diverse roles from research to factory floor

The challenges

- Caution needed with chemicals and high voltage
- M.Tech/PhD expected for top positions
- Technology changes fast, requiring continuous learning

9 Real-life journeys

Rahul Bollini

Lithium-ion cell R&D expert, Bollini Energy

Rahul Bollini from Hyderabad built years of hands-on experience in cell manufacturing, testing and grading, then started his own consultancy. Today he guides companies setting up lithium-ion cell factories in India.

EVMechanica · <https://www.evmekanica.com/ev-lithium-ion-cell-manufacturing/>

Rashi Gupta

Founder, Vision Mechatronics; known as India's Batterywali

Dr. Rashi Gupta built Vision Mechatronics in Thane, making indigenous lithium batteries and installing India's first megawatt-scale hybrid energy storage project. With self-belief she became a leader in the male-dominated battery industry.

EVolution Auto India · <https://evolutionautoindia.in/vision-mechatronics-leading-the-field-of-advanced-battery-technology/>

10 Sources & further reading

1. Rajasthan Govt Career Guidance Portal — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%ac%e0%a5%88%e0%a4%9f%e0%a5%8d%e0%a4%b0%e0%a5%80-%e0%a4%87%e0%a4%82%e0%a4%9c%e0%a5%80%e0%a4%a8%e0%a4%bf%e0%a4%af%e0%a4%b0-battery-engineer/>
2. PM E-DRIVE Scheme (Ministry of Heavy Industries) — <https://pmedrive.heavyindustries.gov.in>
3. National Career Service (NCS) — <https://www.ncs.gov.in>
4. NIRF Rankings 2024 — <https://www.nirfindia.org/Rankings/2024/Ranking.html>



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.

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