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करियर शीट • CAREER SHEET

इलेक्ट्रिक वाहन (ईवी) असेंबली तकनीशियन

An EV assembly technician joins the parts of an electric vehicle — battery packs, motors, wiring harnesses and controllers — on the production line and checks fitment and quality. It is a fast-growing green-tech skill job.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/voc-6446

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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

An EV assembly technician joins the parts of an electric vehicle — battery packs, motors, wiring harnesses and controllers — on the production line and checks fitment and quality. It is a fast-growing green-tech skill job.

2 At a glance

Minimum qualification	Class 8/10 + ITI + NSQF L2-3 EV assembly course
Duration	ITI 1-2 yrs; certificate 3-6 months
Avg salary	₹1.8-4 LPA
Work mode	Factory/shop-floor, hands-on

3 What you need

INTERESTS

- Enjoy assembling and building things
- Being careful and organised
- Interest in repairing mechanical items

ABILITIES

- Hand-eye coordination and mechanical sense
- Physical stamina and safety awareness
- Attention to detail

KEY SKILLS

- EV component assembly and fitting
- Use of hand and power tools
- Quality checking and testing
- Teamwork and time management
- Battery-pack and wiring-harness assembly
- Reading technical drawings and assembly manuals
- Electrical safety and high-voltage precautions

4 How to get there

- 1 Pass Class 8/10
- 2 Do an ITI (electrician/mechanic/electronics) or gain 2 yrs work experience after Class 10
- 3 Take NSQF L2 (Automotive Assembly Assistant) then L3 (EV Assembly Operator)
- 4 Enrol in an RSLDC/ITI/NSDC-recognised EV course
- 5 Gain factory experience via apprenticeship/on-the-job training
- 6 Check course duration before enrolling

MAIN EXAMS

- ITI admission (Rajasthan Directorate of Technical Education)
- NCVT/NSQF trade certification (AITT)

5 Where to study

GOVERNMENT INSTITUTES

- राजकीय औद्योगिक प्रशिक्षण संस्थान (ITI) — Jaipur
- राजस्थान कौशल एवं आजीविका विकास निगम (RSLDC) केंद्र — Across Rajasthan (<https://livelihoods.rajasthan.gov.in>)
- राजकीय औद्योगिक प्रशिक्षण संस्थान (ITI) — Jodhpur / Kota / Ajmer
- राजकीय पॉलिटेक्निक कॉलेज — Rajasthan

PRIVATE INSTITUTES

- ऑटोमोटिव स्किल्स डेवलपमेंट काउंसिल (ASDC) साझेदार केंद्र — Across India (<https://www.asdc.org.in>)
- DIYguru / ई-मोबिलिटी प्रशिक्षण साझेदार — Online/Offline (<https://diyguru.org>)
- NSDC-संबद्ध ईवी प्रशिक्षण केंद्र — Across India

ONLINE

- Skill India Digital — Online (<https://www.skillindiadigital.gov.in>)
- स्वयम (SWAYAM) — Online (<https://swayam.gov.in>)
- DIYguru EV Courses — Online (<https://diyguru.org>)

FEES

Most government/RSLDC/PMKVY schemes are free; private EV certificate courses cost about ₹10,000–₹60,000. Figures are indicative.

SCHOLARSHIPS

- National Scholarship Portal (<https://scholarships.gov.in>)
- PMKVY (free training + stipend)
- Buddy4Study (ITI/Vocational) (<https://www.buddy4study.com>)
- SJE Rajasthan Scholarships (<https://sje.rajasthan.gov.in/>)

6 What the work is like

WHERE YOU WORK

EV manufacturing units, auto assembly plants, EV startups, battery-pack assembly units and service centres.

WORK CULTURE

Hands-on shop-floor work; physically active; about 6 days a week, ~8–9 hours; shifts and teamwork are common; opportunities exist for persons with disabilities too.

WHO HIRES

- | | |
|---|---|
| • EV two/three-wheeler makers (Ola, Ather, TVS, Hero) | • EV startups and assembly units |
| • Auto-component and battery-pack makers | • Automobile service centres and workshops |
| • OEM contract manufacturers (EMS) | • Self-employment: EV repair/assembly workshop |
| • Indian Railways (RRB ITI/technical-trade recruitment, railway workshops) | • State transport undertakings (RSRTC) and Railway loco/coach sheds |
| • Defence & public-sector undertakings (HAL, BEL, BHEL, Ordnance/Munitions India) | |

DEMAND (2026)

India's EV push (FAME, PM E-DRIVE and state EV policies including the Rajasthan EV Policy) is rapidly increasing demand for skilled EV assembly technicians — a future-proof green job.

7 Career growth

- 1 EV Assembly Technician
- 2 Senior Technician
- 3 Production Supervisor
- 4 Production Manager
- 5 Quality / EV Service Manager

EARNINGS

Starting	₹1.8–2.5 लाख/वर्ष
Mid level	₹3–5 लाख/वर्ष
Senior level	₹6 लाख+/वर्ष

Income depends on company, city and experience; figures are indicative.

8 The good parts · The challenges

The good parts

- Green, future-proof industry
- Quick job entry via ITI/short course
- Fast growth with upskilling

The challenges

- Physical and shift work
- High-voltage safety risks
- Must keep learning new technology

9 Real-life journeys

Pratibha Kumbhar

EV assembly worker, Kinetic Communications, Pune

Pratibha, a mother of two, assembles EV speedometer circuits at Kinetic Communications in Pune; she says fixed working hours have made her financially independent.

Business Today · <https://www.businesstoday.in/auto/story/meet-the-women-driving-indias-ev-revolution-333899-2022-05-17>

Jeganraj**EV service technician, Ather Energy, Tamil Nadu**

Formerly in a networking job, Jeganraj took an EV course under Tamil Nadu's Vetri Nichayam skill scheme and became a service technician at Ather Energy; he now sees a path from technician to supervisor and manager.

Autocar Professional · <https://www.autocarpro.in/feature/the-tamil-nadu-skilling-model-129277>

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.

- Electrician (General)
- Florist
- Airline Customer Service Executive

11 Sources & further reading

1. Rajasthan Career Guidance (source) — <https://cg.rajasthan.gov.in/careerguidance/>
2. RSLDC — <https://livelihoods.rajasthan.gov.in>
3. Automotive Skills Development Council (ASDC) — <https://www.asdc.org.in>
4. Skill India Digital — <https://www.skillindiadigital.gov.in>
5. NSDC — <https://www.nsdcindia.org>

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