



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

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करियर शीट · CAREER SHEET

इलेक्ट्रीशियन- जनरल

An Electrician (General) is a skilled tradesperson who installs, connects, tests and repairs electrical wiring, fittings, switchboards, fans, motors and other electrical equipment in homes, buildings, shops, factories and...



Scan for everything on this career

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

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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 Electrician (General) is a skilled tradesperson who installs, connects, tests and repairs electrical wiring, fittings, switchboards, fans, motors and other electrical equipment in homes, buildings, shops, factories and industry. They make sure electrical work stays safe, faults are avoided and every appliance runs properly. It is a hands-on practical trade in constant demand everywhere — from new construction to repairing old wiring — and with experience a person can even start their own service or electrical contracting business.

2 At a glance

Minimum qualification	Class 8/10 pass + ITI Electrician (NSQF Level 3–4)
Course duration	ITI 1–2 years (or 3–6 month short course)
Starting salary	₹12,000–18,000/month
Work mode	Hands-on site/field work; job or self-employment

3 What you need

INTERESTS

- Interest in assembling and fixing machines, wires and equipment
- Keen on practical, hands-on technical work
- Enjoy analysing problems and finding faults

ABILITIES

- Scientific, logical thinking and basic maths
- Alertness to safety and a sense of responsibility
- Manual dexterity, hand-eye coordination and physical agility

KEY SKILLS

- Doing domestic and industrial wiring, cabling and earthing
- Installing switches, sockets, MCBs, fuses and panel boards

- Fault-finding and repair using multimeter and tester
- Reading electrical drawings/circuits and calculating load
- Coordinating with customers/site teams and preparing estimates
- Repair and maintenance of motors, fans, pumps and appliances
- Knowledge of electrical safety rules, shock prevention and first aid

4 How to get there

- 1 After Class 8 (min age 14) or Class 10, enrol in the ITI 'Electrician' trade (NSQF Level 3-4); you may also take an NSDC/Power Sector Skill Council or Construction-sector 'Electrician' short course.
- 2 Complete the 1-2 year ITI Electrician course with plenty of hands-on wiring and repair practice.
- 3 Gain experience through an apprenticeship (NAPS/NATS) with an electrical contractor, factory or power utility.
- 4 Apply to the Rajasthan Electrical Inspectorate for a Wireman/Electrical Supervisor licence.
- 5 With experience, obtain an Electrical Contractor licence to take contracts independently or start your own firm.
- 6 If desired, after ITI you can move to a Diploma in Electrical Engineering (direct second year) and even on to B.Tech.

MAIN EXAMS

- NCVT All India Trade Test (AITT) – ITI Electrician certification
- Wireman/Supervisor/Contractor licence examination by the Rajasthan Electrical Inspectorate

5 Where to study

GOVERNMENT INSTITUTES

- राजकीय औद्योगिक प्रशिक्षण संस्थान (आईटीआई) – इलेक्ट्रीशियन ट्रेड (NCVT MIS) — All districts of Rajasthan (<https://www.ncvtmis.gov.in/>)
- राजस्थान कौशल एवं आजीविका विकास निगम (RSLDC) — Jaipur, Rajasthan (<https://livelihoods.rajasthan.gov.in/rsldc/>)
- राजस्थान विद्युत निरीक्षणालय विभाग (वायरमैन/कॉन्ट्रैक्टर लाइसेंस) — Jaipur, Rajasthan (<https://eid.rajasthan.gov.in/>)
- राष्ट्रीय कौशल विकास निगम (NSDC) – प्रशिक्षण केंद्र खोजें — All-India network (<https://www.nsdcindia.org/find-nsdc-training-centre>)

- एनआईओएस व्यावसायिक प्रशिक्षण केंद्र — Online / locate nearest centre (<https://voc.nios.ac.in/registration/locate-study-centre>)

PRIVATE INSTITUTES

- भारतीय स्किल डेवलपमेंट यूनिवर्सिटी (BSDU) — Jaipur, Rajasthan (<https://www.bsdu.in/>)
- नेशनल पावर ट्रेनिंग इंस्टीट्यूट (NPTI) — All-India / Faridabad (<https://npti.gov.in/>)

ONLINE

- स्किल इंडिया डिजिटल हब — Online (<https://www.skillindiadigital.gov.in/>)
- भारत स्किल्स (DGT) – इलेक्ट्रीशियन पाठ्यक्रम व संसाधन — Online (<https://bharatskills.gov.in/>)

FEES

In government ITIs and most government schemes (NSDC, RSLDC, PMKVY) the Electrician course is free or very low-cost. Private ITIs/institutes may charge roughly ₹10,000–40,000 per year. A small separate government fee applies for the Wireman/Contractor licence.

SCHOLARSHIPS

- राष्ट्रीय छात्रवृत्ति पोर्टल (NSP) (<https://scholarships.gov.in/>)
- Buddy4Study – ITI/Vocational Scholarships (<https://www.buddy4study.com/article/iti-scholarships>)
- सामाजिक न्याय एवं अधिकारिता विभाग, राजस्थान (SJE) छात्रवृत्ति (<https://sje.rajasthan.gov.in/>)

6 What the work is like

WHERE YOU WORK

Residential complexes, commercial buildings, shops, factories, workshops, power houses, construction sites and customers' homes. Many electricians also work independently or via service aggregators (online apps).

WORK CULTURE

Working hours are flexible; in a company you may work shifts and answer emergency call-outs. The job involves regular travel, climbing heights and standing/bending work. Wearing safety gear is essential. The field also offers some opportunities for persons with disabilities.

WHO HIRES

- | | |
|--|---|
| • Construction and infrastructure companies and builders | • Electrical contractors and electrical service firms |
| • Factories, manufacturing units and workshops | • Power distribution/generation companies (e.g. Rajasthan Discoms, RVUNL) |

- Maintenance departments of real estate, housing societies, hotels, hospitals and malls
- Self-employment – own electrical shop/contracting or work via service apps

DEMAND (2026)

Demand for electricians stays consistently high due to rapid urbanisation, new houses and buildings, factories, solar power and smart-city projects. Every new construction needs wiring and every old building needs repair and maintenance. The trade offers both jobs and self-employment, and skilled, licensed electricians are also in good demand in the Gulf countries.

7 Career growth

- 1 Electrician (from helper/trainee)
- 2 Senior Electrician / Electrical Supervisor
- 3 Licensed Electrical Contractor
- 4 Owner of own electrical firm / contracting business

EARNINGS

Starting	₹12,000–18,000/माह
Mid level	₹25,000–35,000/माह
Senior level	₹45,000–70,000+/माह

Per 2026 data, a fresher electrician earns about ₹12,000–18,000/month, an experienced one ₹25,000–35,000/month, and a senior/licensed electrician ₹45,000–70,000/month. Established self-employed electrical contractors can earn ₹60,000–1,50,000+/month. Figures are indicative and vary by location and experience.

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

- Constant demand everywhere — ample scope for both jobs and self-employment
- Earn early with modest study/cost; grow into contracting with experience
- A practical skill that works in India and abroad (Gulf countries)

The challenges

- Real risk of injury or death from electric shock, short-circuits and working at heights — ignoring safety rules can be fatal
- Physically tiring work; heat, dust and emergency call-outs
- Limited starting pay; income depends on experience, licence and reputation

9 Real-life journeys

Babburi Shirisha

First woman lineman (electrician) at Telangana Discom (TSSPDCL)

Babburi Shirisha, daughter of daily-wage workers from Chebarthi village in Siddipet district, completed an ITI electrical course in 2017 and learned pole-climbing from her uncle. Challenging gender-based recruitment restrictions through a legal battle, she passed both the written exam and the pole-climbing test to become the first woman lineman at Telangana's Discom (TSSPDCL) — climbing 18-foot electricity poles to do line work. In her words, 'Initially climbing a pole was tough, but after continuous training I learnt the skills and now it has become very easy.' Her story shows that by learning the electrician trade, girls too can win a government job and recognition in this male-dominated field.

India.com · <https://www.india.com/telangana/telangana-first-woman-lineman-babburi-shirisha-breaks-glass-ceiling-gets-job-at-tsspdcl-chebarthi-village-siddipet-district-5390393/>

Gopabandhu Dora

Industrial electrician promoted to Supervisor

Gopabandhu Dora, an unemployed youth from Dhenkanal district, took a six-month industrial electrician course at SDI, Bhubaneswar. After successfully completing the training, he was offered a job at Lehton India for ₹15,000 per month. Seeing his dedication to the work, within a year he was promoted to supervisor level on a salary of ₹25,000 per month. His story shows that by learning the practical electrician trade, with hard work and commitment, one can build a stable and upwardly mobile career even from a humble start.

Hydrocarbon Sector Skill Council (HSSC) · <https://www.hsscindia.in/public/pdf/Succes-Story-of-Trainees-from-SDIs.pdf>

10 Sources & further reading

1. Rajasthan Career Guidance – Electrician (General) — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%87%e0%a4%b2%e0%a5%87%e0%a4%95%e0%a5%8d%e0%a4%9f%e0%a5%8d%e0%a4%b0%e0%a5%80%e0%a4%b6%e0%a4%bf%e0%a4%afe0%a4%a8-%e0%a4%9c%e0%a4%a8%e0%a4%b0%e0%a4%b2/>

2. Rajasthan Electrical Inspectorate Department (Licensing) — <https://eid.rajasthan.gov.in/>
3. Bharat Skills (DGT) – Electrician trade curriculum — <https://bharatskills.gov.in/>
4. Indeed – Electrician Salary in India (2026) — <https://in.indeed.com/career/electrician/salaries>
5. How to Become an Electrician in India 2026 (course, fees, salary) — <https://campusconnect.salarybox.in/blog/how-to-become-an-electrician-in-india-2026-complete-career-guide-with-course-fees-salary-growth-path>

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