



कनिष्ठ अभियंता-I — राजस्थान की राज्य विद्युत कंपनियाँ (संयुक्त भर्ती)

Junior Engineer-I is the technical entry post of Rajasthan's five state power companies — the Rajasthan Rajya Vidyut Utpadan Nigam, the Rajasthan Rajya Vidyut Prasaran Nigam, and the three distribution companies of Jaipur, Ajmer...



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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

Junior Engineer-I is the technical entry post of Rajasthan's five state power companies — the Rajasthan Rajya Vidyut Utpadan Nigam, the Rajasthan Rajya Vidyut Prasaran Nigam, and the three distribution companies of Jaipur, Ajmer and Jodhpur. The whole machinery that generates the state's electricity, transmits it and carries it to households runs through these five, and its technical supervision begins at Junior Engineer level — operating substations, maintaining lines and transformers, handling new connections and load, and finding faults to restore supply. The most important structural fact about this recruitment is that the five companies do not recruit separately: the Vidyut Utpadan Nigam issues one common advertisement and a single examination fills posts across all five. So the preparation is one preparation, and the company is settled afterwards.

2 At a glance

Minimum qualification	A full-time four-year graduation degree in engineering in the relevant discipline, as a regular student, or AMIE — note that a diploma does NOT qualify here
Recruiting body	Rajasthan Rajya Vidyut Utpadan Nigam Ltd — the common recruitment for all five state power companies
Age limit	21 to 40 years, but the upper limit varies by company — up to 43 for the transmission company (RVPN) — the upper limit is relaxed for reserved categories and for women (detail below)
Starting salary	Two years as a Probationer Trainee on a fixed ₹23,700 a month; thereafter the first cell of Level-10 of the Rajasthan pay matrix — a basic of ₹33,800
Demand	One common examination, five companies — a computer-based objective paper of two hours

3 What you need

INTERESTS

- An interest in electrical systems, machines and equipment
- A public service system that runs around the clock
- Technical work at substations and in the field

ABILITIES

- Technical understanding and fault-finding, often under pressure and against time
- Unbroken attention to safety — one lapse in electrical work is fatal
- Leading a team and coordinating in the field

KEY SKILLS

- Engineering knowledge of your discipline — electrical, mechanical or civil
- Substation operation and the maintenance of lines and transformers
- Electrical safety rules and permit-to-work procedure
- Fault-finding and restoration of supply
- Metering, records and consumer-related procedures
- Reasoning and general awareness — the basis of 40% of the paper

4 How to get there

- 1 Pass Class 12 in the science stream with physics, chemistry and mathematics, then take a four-year B.E. or B.Tech. in the relevant discipline — electrical, mechanical or civil.
- 2 Here is the most important warning, and it is for diploma holders: a diploma does not qualify for this recruitment. The advertisement asks in plain terms for a "full-time four years' graduation degree in engineering as a regular student" or AMIE. This portal carries three other Junior Engineer routes — railway, Rajasthan state, and SSC — and two of them accept a three-year diploma. This one does not. The name is the same; the condition is different.
- 3 Note the words "as a regular student" as well. That condition excludes a degree taken by distance or part-time mode. If you are studying under such an arrangement, check this before applying. AMIE is accepted as an alternative, provided it is recognised by the All India Council for Technical Education as equivalent to a full-time graduation degree.
- 4 Work out the age by company, because this is the most unusual feature of the recruitment. The general rule is 21 to 40, reckoned on the 1 January following the last date. But the advertisement explains that direct recruitment had lapsed for different lengths of time in different Nigams, so the upper limit differs by company: for the electrical discipline it is 40 in the generation company and the three distribution companies, but 43 in the transmission company; and for civil it is 43 in the transmission company.
- 5 The plain practical consequence is that a candidate of 41 or 42 is ineligible for the distribution companies but may be eligible for the transmission company — within that same single advertisement. Someone who sees the general limit of 40 and concludes they are out misses an option that was open.

- 6 Apply online when the advertisement appears on the Energy Department portal. Note that the recruitment is conducted by the Rajasthan Rajya Vidyut Utpadan Nigam and not by the Rajasthan Staff Selection Board, so the notices appear on the Energy Department's portal.

MAIN EXAMS

- Understand the structure of the recruitment first, because it changes how preparation is planned. Rajasthan's five state power companies — the generation company, the transmission company, and the distribution companies of Jaipur, Ajmer and Jodhpur — do not fill Junior Engineer-I posts separately. The generation company issues one common advertisement and a single examination fills posts across all five. So a candidate prepares once, sits one examination, and the company is allotted afterwards on merit and preference — exactly as in the SSC and railway recruitments.
- A further comparison on qualification is necessary, because this portal carries four different routes called "Junior Engineer" and their conditions are not alike. The railway recruitment accepts a three-year diploma with no experience. Rajasthan's own state Junior Engineer recruitment also runs on a diploma. SSC takes a degree, or a diploma with two years of experience. And this power companies recruitment takes only a four-year full-time degree or AMIE — a diploma on no terms at all. Four posts of one name, four different qualifications; inferring one from another is expensive here.
- Now the feature that sets this recruitment apart from every other on this portal: the upper age limit differs by company, inside one advertisement. The advertisement explains why — direct recruitment had not been held for different lengths of time in different Nigams, so the limit has been raised in some by way of compensation. As on 01.01.2027: in the electrical discipline it is 40 for the generation company and the three distribution companies and 43 for the transmission company; in mechanical it is 40 for the generation company; in civil it is 43 for the transmission company. This is the fifth case on this portal of one recruitment carrying more than one age band, and the first where it varies by employer.
- Selection is by a computer-based common written competitive examination conducted online. The paper is of two hours and is wholly objective, in multiple choice form. It has two parts: Part A carries 60% weightage and its standard and syllabus are at the level of a degree in engineering in the relevant discipline; Part B carries 40% and covers subjects such as reasoning and mental ability. Minimum qualifying marks must be obtained separately in each part.

- One point about pay should be known in advance because it changes the plan for the early years. After selection a candidate is engaged as a "Probationer Trainee" for two years, and throughout that period receives a fixed monthly remuneration of ₹23,700. On successful completion of the probation training the pay is fixed at the first cell of Level-10 of the Rajasthan pay matrix, that is a basic of ₹33,800, with allowances added on top. Two years is not a short period and it should be counted into the financial plan.
- Relaxation in the upper age limit — 5 years for male candidates of the Scheduled Castes, Scheduled Tribes, Backward Classes, More Backward Classes and Economically Weaker Sections; 5 years for women candidates of the General category; and 10 years for women candidates of those same categories. Which means plainly that the bare figure printed against a post understates a reserved-category woman's eligibility by a decade — if you are in that category, work out your eligibility only after adding the relaxation. In Rajasthan, 30% of the posts in direct recruitment are reserved category-wise for women candidates. Widows and divorced women have no upper age limit at all — the rules say it in those words. It is Rule 13(9) of the Rajasthan State and Subordinate Services (Direct Recruitment by Combined Competitive Examination) Rules 1999, it appears again as the same proviso in the Rajasthan Medical & Health Subordinate Service Rules, and RPSC advertisements reproduce it. A widow must furnish a certificate of the death of her husband from the competent authority, and a divorced woman the proof of divorce. The exact terms of relaxation and reservation are given in that recruitment's own advertisement.

5 Where to study

GOVERNMENT INSTITUTES

- MNIT Jaipur — B.Tech. in Electrical, Mechanical and Civil Engineering — Jaipur, Rajasthan (<https://mnit.ac.in/>)
- Rajasthan Technical University and its affiliated government engineering colleges — the four-year degree this post requires — Kota, and across the state (<https://www.rtu.ac.in/>)
- Government engineering colleges across Rajasthan — admission on JEE Main or REAP — Ajmer, Bikaner, Bharatpur, Banswara and others (<https://dte.rajasthan.gov.in/>)

ONLINE

- ऊर्जा विभाग, राजस्थान — संयुक्त भर्ती की विज्ञप्तियाँ यहीं आती हैं — This is the portal carrying all five companies (<https://energy.rajasthan.gov.in/>)
- एन.पी.टी.ई.एल. — अभियांत्रिकी के निःशुल्क पाठ्यक्रम, आई.आई.टी. के प्राध्यापकों द्वारा — Government of India (<https://nptel.ac.in/>)
- राजस्थान विद्युत विनियामक आयोग — क्षेत्र को समझने के लिए — Jaipur, Rajasthan (<https://rerc.rajasthan.gov.in/>)
- आर.एस.एस.बी. — पिछले प्रश्न-पत्र, उत्तर कुंजी व पाठ्यक्रम (निःशुल्क) — The Staff Selection Board's own site — the most reliable free preparation material there is (https://rsmssb.rajasthan.gov.in/show_archived?menuName=Xj4lCb9vGxpQnfls%2FxlZ2g%3D%3D)
- विभागीय सेवा नियम (कार्मिक विभाग) — पद की योग्यता व आयु मूल दस्तावेज़ में पढ़ें — The Department of Personnel publishes the service rules for every cadre. Read these before any coaching material — qualification, age and the method of recruitment are settled here and nowhere else. (<https://dop.rajasthan.gov.in/>)
- स्वयं (SWAYAM) — भारत सरकार के निःशुल्क ऑनलाइन कोर्स — Free (<https://swayam.gov.in/>)
- राष्ट्रीय डिजिटल पुस्तकालय (NDLI) — Free books and study material (<https://ndl.iitkgp.ac.in/>)
- एन.सी.ई.आर.टी. — निःशुल्क पाठ्यपुस्तकें — The foundation for general knowledge, maths and science (<https://ncert.nic.in/>)

FEES

The cost of this route is the cost of a four-year engineering degree, and that is also this post's largest financial barrier — because a diploma will not do here. A B.Tech. at a government engineering college or MNIT costs several times less than at a private college, with admission on JEE Main or REAP marks, so effort after Class 12 converts directly into money. For families for whom four years of degree fees are heavy, one practical point: a diploma keeps the railway and Rajasthan state Junior Engineer recruitments open, and completing a degree by lateral entry later opens this one too — the order can be changed, the route is not closed. Little extra spending is needed on preparation: 60% of the paper is at the level of a degree in your own discipline, which is to say what you studied for four years is what is asked, and IIT courses are free on NPTEL. One point for financial planning: after selection there are two years as a Probationer Trainee on a fixed ₹23,700 a month, with the full scale beginning afterwards.

SCHOLARSHIPS

- Mukhyamantri Anuprati Coaching Yojana (free coaching, apply via SSO) (<https://sso.rajasthan.gov.in/signin>)
- Rajasthan Social Justice and Empowerment Dept scholarships (<https://sje.rajasthan.gov.in/>)
- National Scholarship Portal (NSP) (<https://scholarships.gov.in/>)
- Buddy4Study scholarship search (<https://www.buddy4study.com>)

6 What the work is like

WHERE YOU WORK

Thermal and hydro power houses, grid substations, and the urban and rural sub-division offices of the distribution companies — across Rajasthan. The work is divided between substation, plant and field.

WORK CULTURE

The electricity system never shuts down, and that is the defining feature of this service. The Junior Engineer sits where technical judgement meets field work: operating a substation, looking after lines and transformers, reaching a fault quickly and restoring supply. Shift work, night duty, and emergency calls in a storm or heavy rain are ordinary parts of the job. Safety is the organisation's central discipline and it is not a formality: when working at high voltage, following permit-to-work procedure and the rules is a question of life, your own and the team's. In the distribution companies there is an additional aspect worth knowing — there you face consumers directly, and the anger that follows a power cut usually reaches this officer standing in the field before anyone else. In the generation and transmission companies that aspect is smaller and the work is more plant-centred. What comes back is solid: daily use of a technical skill, a place in the state's most essential system, and a clear path upward in the engineering grades within the company.

WHO HIRES

- Rajasthan Rajya Vidyut Utpadan Nigam (RVUN) — generation
- Rajasthan Rajya Vidyut Prasaran Nigam (RVPN) — transmission; this is the company whose age limit runs to 43
- Jaipur Vidyut Vitran Nigam (JVVNL)
- Ajmer and Jodhpur Vidyut Vitran Nigams (AVVNL and JdVVNL)

DEMAND (2026)

Rajasthan's power system is large — five companies, substations and distribution networks across the state, and a grid growing with the expansion of solar generation — so the need for a technical cadre is a standing one. Three things should be known honestly alongside. First, recruitment does not come at regular intervals; the advertisement itself explains that direct recruitment had lapsed for different lengths of time in different Nigams, which is why the age limit had to be raised in some. Long gaps are a reality of this recruitment. Second, confining the qualification to a degree narrows the field of applicants, but the number of engineering graduates coming out of the state each year is far larger than these posts, so competition remains sharp. Third, two years after selection pass on a fixed remuneration. Against that is the advantage that the same degree also works for SSC Junior Engineer, the state Assistant Engineer recruitment, GATE and the central engineering services, the power companies of other states, and the private sector. The number of posts describes the companies' requirement, not your chances of selection. One thing to be clear about — the "demand" described above counts posts, not your chance of getting one. Selection is by open competition and the number of applicants runs to many times the number of posts, so most candidates are not selected in any given recruitment. That is not an argument against this career; it is an argument against making it your only plan. Keep studying or building a skill alongside your preparation, so that the year is not lost whichever way the result goes.

7 Career growth

- 1 Probationer Trainee — two years, on a fixed monthly remuneration of ₹23,700
- 2 Junior Engineer-I — on completion of probation, Rajasthan Pay Matrix Level-10 (basic ₹33,800)
- 3 Assistant Engineer — by promotion within the company; the post is also filled by direct recruitment
- 4 Executive Engineer and above — the senior level of the company's engineering wing

EARNINGS

Starting	दो वर्ष परीवीक्षाधीन प्रशिक्षु — नियत ₹23,700 मासिक; उसके बाद राजस्थान पे मैट्रिक्स लेवल-10, मूल वेतन ₹33,800
Mid level	₹50,000 – ₹70,000 (भत्तों सहित, कुछ वर्षों की सेवा के बाद)
Senior level	₹85,000 से अधिक (भत्तों सहित, सहायक एवं अधिशासी अभियंता के स्तर पर)

Neither starting figure is an estimate — the advertisement states expressly that selected candidates will be engaged as Probationer Trainees for two years on a fixed remuneration of ₹23,700 a month, and that on successful completion of probation training the pay will be fixed at the first cell of Level-10 of the Pay Matrix, a basic of ₹33,800. Dearness allowance, house rent allowance and other allowances are added on top. The two-year probation period is a real financial condition of this post and should be counted into the plan, because the full scale is not paid during it. One caution: this Level-10 belongs to the RAJASTHAN pay matrix, not the central one — central Level-10 is ₹56,100, a different figure entirely. Do not compare by level number; compare the rupees. The mid-level and senior figures are approximate and are not confirmed from any official pay statement; read them as a direction, not a promise. The starting figure is BASIC PAY, so that it can be compared directly against other careers. Dearness allowance (60% of basic since 1 January 2026) and house rent allowance are added on top of it, so take-home pay is appreciably higher. The mid-level and senior figures are approximate monthly income including allowances, not basic pay. Note — in Rajasthan a direct recruit is a probationer-trainee for the first 2 years and is paid a fixed remuneration, not the pay scale; dearness allowance and house rent allowance are not payable in those two years (Rajasthan Service Rules, rule 7(30A)). The full pay scale applies once probation is completed. The figures above rest on the Rajasthan 7th pay matrix, which is what applies as of 17 August 2026. The Terms of Reference of the 8th Central Pay Commission were approved on 28 October 2025 and it must report within 18 months of its constitution. State governments normally adopt a Central Pay Commission with modifications, and later than the Centre does — so Rajasthan pay will be revised too, though by how much and when is not yet settled.

8 The good parts · The challenges

The good parts

- One examination for posts in five companies — one preparation, five options
- The transmission company's upper age limit of 43, which stays open to candidates past 40
- 60% of the paper is at the level of your own degree — what you studied is what is asked
- The same degree also works for SSC, the state Assistant Engineer post, GATE and the private sector

The challenges

- A diploma does not qualify on any terms — only a four-year full-time degree or AMIE
- The "regular student" condition excludes distance and part-time degrees
- Two years as a Probationer Trainee on a fixed ₹23,700 — the full scale begins only afterwards
- Recruitment comes at long intervals, and in the distribution companies consumer anger is faced in the field

9 Sources & further reading

1. Energy Department, Rajasthan — the common recruitment advertisements — <https://energy.rajasthan.gov.in/>
2. Rajasthan Electricity Regulatory Commission — <https://rerc.rajasthan.gov.in/>
3. Rajasthan Technical University — the engineering degree — <https://www.rtu.ac.in/>

4. Directorate of Technical Education, Rajasthan — <https://dte.rajasthan.gov.in/>
5. Rajasthan Staff Selection Board (official) — <https://rssb.rajasthan.gov.in/>
6. Department of Personnel, Rajasthan — service rules — <https://dop.rajasthan.gov.in/>
7. 8th Central Pay Commission — Cabinet approval of the Terms of Reference (PIB, 28 October 2025) — <https://www.pib.gov.in/PressReleasePage.aspx?PRID=2183289>

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