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The ECG Technician is the person who records the electrical activity of the heart — the electrocardiogram. Preparing the patient, placing the electrodes correctly, running the machine, obtaining a clean trace and giving it to the...



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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

The ECG Technician is the person who records the electrical activity of the heart — the electrocardiogram. Preparing the patient, placing the electrodes correctly, running the machine, obtaining a clean trace and giving it to the doctor in readable form: that is the work. It sounds like a small procedure, but for a patient arriving with chest pain it is the first and quickest test there is, and getting it right sets the direction of the diagnosis. The post belongs to the paramedical cadre of Rajasthan's Medical & Health Services, is regular government service, and carries Pay Matrix Level 8. The route to it runs through a two-year diploma after Class 12 science — that is, one of the few ways to reach a regular government post in health without the long years of a degree.

2 At a glance

Minimum qualification	Senior Secondary (Class 12) in Science with either Biology or Mathematics from a recognised board, and a two-year Diploma of ECG Technician from an institute recognised by the State Government, the Central Government or the Rajasthan Para Medical Council; together with registration with the Rajasthan Para Medical Council
Recruiting body	Rajasthan Staff Selection Board (RSSB) — the post belongs to the Medical & Health Services, Rajasthan
Age limit	18 to 40 years, reckoned on the 1st of January following the last date for applications — the upper limit is relaxed for reserved categories and for women (detail below)
Starting salary	Pay Matrix Level 8 — a regular government pay scale
Demand	The recruitment comes with the paramedical cadre and at relatively long intervals; the posts are spread across hospitals throughout the state

3 What you need

INTERESTS

- Technical work connected with medicine and patient care
- Working in a hospital, where the result of the work is visible at once
- Operating equipment and taking precise measurements

ABILITIES

- Precision — a small error in electrode placement changes the trace, and can change the diagnosis with it
- Understanding of the equipment and the ability to spot a minor fault
- The ability to calm and reassure a patient, because the test is often done on someone who is frightened

KEY SKILLS

- Recording an electrocardiogram and obtaining a clean trace
- Operating, calibrating and maintaining the machine
- Doing the test quickly in an emergency, because in chest pain time is the biggest factor
- Preparing the patient and placing the electrodes correctly
- Keeping the record of the test and getting the report to the doctor
- Infection control and cleanliness of the equipment

4 How to get there

- 1 Pass Class 12 science with either Biology or Mathematics. Note that Mathematics is accepted here — several health posts on this portal require Biology alone, but this one takes either, which opens an additional route for students who studied with Mathematics.
- 2 Do the two-year Diploma of ECG Technician, and be careful in choosing the institute: the advertisement requires it to be recognised by the State Government, the Central Government or the Rajasthan Para Medical Council. A diploma from an unrecognised institute is of no use in this recruitment, and it is a mistake that is usually discovered at the time of applying.
- 3 Get registered with the Rajasthan Para Medical Council. This is the condition that the portal's radiographer and ophthalmic assistant pages repeat as well: registration is the second half of the qualification, not a formality. Start it as soon as the diploma is complete, because it takes time.
- 4 And if registration has not come through by the last date, the door is not shut — this is the single biggest reason for this page to exist. The advertisement itself records that under the High Court's judgment (writ petition 13299/2017, Manju v State), a candidate not registered by the last date must have APPLIED for registration by that date, and must produce the registration certificate at document verification. So an application can be made while registration is still in process — but the application for registration must actually have been filed; intention alone is not enough.
- 5 Your age must be between 18 and 40, reckoned on the 1st of January following the last date for applications. The usual relaxations in the upper age limit apply for reserved categories and for women.

- 6 When the Board's advertisement appears, apply online through your SSO ID; after selection a fitness certificate and the character conditions must also be met.

MAIN EXAMS

- The recruitment runs under the Rajasthan Medical & Health Subordinate Service Rules, 1965 — the same rules that govern this portal's lab technician, radiographer and ophthalmic assistant posts. In practice that means all four are built the same way: Class 12 science, a two-year diploma, and registration with the Para Medical Council. Understand one and the structure of the other three follows, and their advertisements often come together as the paramedical cadre.
- Note the subject condition at Class 12 too, because it differs from other health posts on this portal. Here either Biology or Mathematics will do. The school-education Laboratory Assistant on this portal requires three named science subjects and several health posts require Biology alone; this post is open to a student who studied with Mathematics as well, and that is worth knowing while choosing subjects in Class 11.
- The court judgment on the registration condition is worth repeating, because it keeps more candidates out unnecessarily than anything else. The rule is that the candidate be registered with the Rajasthan Para Medical Council by the last date for applications. But the advertisement itself records that under the judgment in writ petition 13299/2017 (Manju v State), where registration has not come through, applying for registration by the last date is enough, provided the certificate is produced at document verification. The Council's process can take months, so that one sentence is the difference between being able to apply and not.
- This is a regular government post, so all the provisions of regular service apply — pay scale, annual increments, leave and pension — as does the two-year probation of direct recruitment, during which a fixed remuneration rather than the post's pay scale is payable. That distinction separates this post from the National Health Mission's contractual paramedical posts, which sit on a separate page on this portal.

- 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

- Rajasthan Para Medical Council — registration, which is the second half of the qualification and not a formality — Jaipur, Rajasthan (<https://rajswasthya.rajasthan.gov.in/>)
- Government paramedical institutes and colleges, Rajasthan — the recognised two-year diplomas — across the districts of Rajasthan (<https://rajswasthya.rajasthan.gov.in/>)
- Rajasthan University of Health Sciences — the health-sciences courses behind the paramedical cadre — Jaipur, Rajasthan (<https://ruhsraj.org/>)
- Rajasthan Board of Secondary Education — Class 12 science with Biology or Mathematics — Ajmer, Rajasthan (<https://rajeduboard.rajasthan.gov.in/>)

ONLINE

- चिकित्सा एवं स्वास्थ्य विभाग, राजस्थान — पैरामेडिकल संवर्ग से जुड़े आदेश एवं सूचनाएँ — this post belongs to this department (<https://rajswasthya.rajasthan.gov.in/>)
- राजस्थान कर्मचारी चयन बोर्ड — विज्ञप्ति, पाठ्यक्रम एवं परिणाम — the recruitment is by this Board (<https://rssb.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

Class 12 science at a government school costs very little. The main cost is the two-year diploma, and there the choice of institute is a question of recognition more than of money: only a diploma from a government or Council-recognised institute counts in this recruitment, so money and two years spent at a cheap but unrecognised institute are both wasted. Confirming an institute's recognition with the Rajasthan Para Medical Council before admission is the cheapest insurance on this whole route. The registration fee is separate, and the Board's usual examination fee applies on the application.

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

WHO HIRES

- Medical & Health Department, Rajasthan — government hospitals and health centres

DEMAND (2026)

This is a small and specialised cadre, so its recruitment does not come every year and the posts do not run into hundreds — it usually comes as part of a paramedical cadre advertisement alongside other paramedical posts. In practice that means the right strategy is to keep both the diploma and the registration ready while waiting, because together they take more than two years and cannot be assembled once an advertisement appears. One more thing: the same qualification is useful in private hospitals and diagnostic centres, where demand for ECG technicians is steady. 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 This is a regular government post, so seniority, annual increments and pension all apply — and that is what separates it from the National Health Mission's contractual paramedical posts.
- 2 Within the paramedical cadre there is a line up to senior technician and supervisory levels, running on seniority and eligibility under the service rules.
- 3 Continuing to study widens the route, and it can be done while holding the post: a degree in cardiac care technology or an allied field opens senior technical posts in the private sector and the technical cadres of medical colleges. The two-year diploma is the door in, not the end of the road.

EARNINGS

Starting	पे मैट्रिक्स लेवल-8 (आरंभिक मूल वेतन विज्ञप्ति में देखें)
Mid level	₹35,000 – ₹50,000 (भत्तों सहित, कुछ वर्षों की सेवा के बाद)
Senior level	₹55,000 से अधिक (भत्तों सहित, वरिष्ठ स्तर पर)

The advertisement gives Pay Matrix Level 8 for this post on the seventh pay commission scale. The level is named here and its starting basic in rupees is not, and it is honest to say why: in this project the figures for Level 5, Level 10 and Level 14 are confirmed from independent sources, and Level 8 is not — and this project does not trust pay-matrix table digits read off a scanned document, because they come out corrupted. The correct starting figure is given in that cycle's advertisement; check it there before applying. 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

- A regular government post on Class 12 science plus a two-year diploma — one of very few routes into the health sector without the long years of a degree.
- At Class 12 either Biology or Mathematics is accepted, so it is open to students who studied with Mathematics too.
- Thanks to the court judgment there is a practical easing of the registration condition — applying for registration by the last date is enough, which saves a great many otherwise eligible candidates.
- The same qualification is useful in private hospitals and diagnostic centres, so the diploma earns a living even without government selection.

The challenges

- The recognition condition is strict — the diploma must be from an institute recognised by the State Government, the Central Government or the Rajasthan Para Medical Council, and two years spent at an unrecognised institute are entirely wasted.
- It is a small cadre and the recruitment does not come every year, so the wait can be long even with the qualification ready.
- The work is of an emergency nature — night shifts and being called in are part of it, because a chest-pain investigation cannot wait.
- It is a post centred on a single technique. There is depth in it but little variety — and moving up usually means studying further.

9 Sources & further reading

1. Rajasthan Staff Selection Board — ECG Technician recruitment in the paramedical cadre, Detailed Advertisement 03/2020 (the qualification, the registration condition, the court judgment, age and pay level are all in this document) — https://rssb.rajasthan.gov.in/storage/advertisement_item/1634729064.pdf
2. Medical, Health & Family Welfare Department, Rajasthan — the paramedical cadre and Council information — <https://rajswasthya.rajasthan.gov.in/>

3. Rajasthan Staff Selection Board — the advertisement section — <https://rssb.rajasthan.gov.in/advertisements>
4. Rajasthan Staff Selection Board (official) — <https://rssb.rajasthan.gov.in/>
5. Department of Personnel, Rajasthan — service rules — <https://dop.rajasthan.gov.in/>
6. 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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