

BHEL Engineer Trainee Syllabus 2026

Bharat Heavy Electricals Limited — Bharat Heavy Electricals Limited — Engineer Trainee

Vacancies	Announced periodically for Engineer Trainee posts across Mechanical, Electrical, Electronics and other core engineering disciplines
Age Limit	Up to 27 years typically (relaxation per government norms for SC/ST/OBC/PwBD/ex-servicemen)
Qualification	Bachelor's degree (Engineering) in the relevant discipline with a minimum aggregate (typically 60–65% or equivalent CGPA), and a valid GATE score in the corresponding discipline
Application Fee	As specified in the current BHEL notification (typically nominal for General/OBC, waived for SC/ST/PwBD)
Official Website	bhel.com
Last Reviewed	26 Jan 2026

Overview

BHEL Engineer Trainee recruits engineering graduates into Bharat Heavy Electricals Limited, one of India's largest engineering and manufacturing PSUs, serving the power, transportation, defence and renewable energy sectors. Like most major engineering PSUs, BHEL uses the candidate's GATE score in the relevant discipline as the primary shortlisting criterion, followed by a Personal Interview and a medical examination. Selected Engineer Trainees undergo training across BHEL's manufacturing units and project sites before being placed into core engineering, design or project execution roles.

What's New in the 2026 Cycle

- GATE score is the primary shortlisting criterion, followed by a Personal Interview stage.
- BHEL's core business spans power equipment manufacturing, transportation, defence and renewable energy — offering diverse engineering role profiles beyond typical plant operations.
- Training involves exposure across BHEL's manufacturing units, which are spread across multiple states.
- Medical fitness standards apply, though generally less field-intensive than oil/gas sector PSUs like ONGC.

Exam Pattern

GATE Score Shortlisting

Mode: Based on the candidate's valid GATE score in the relevant discipline | Duration: Not applicable — GATE is conducted separately by IISc/IITs

Section	Questions	Marks
Valid current-year GATE score (discipline-specific paper)	—	Qualifying

Negative marking: Not applicable | Nature: Discipline-wise GATE score cut-off determines the shortlist for Interview.

Personal Interview

Mode: Board interview | Duration: —

Section	Questions	Marks
Interview	—	Qualifying

Negative marking: Not applicable | **Nature:** Counted for final merit alongside the GATE score.

BHEL Engineer Trainee — Detailed Subject-Wise Syllabus

GATE Score (discipline-specific — the actual basis for shortlisting)

The primary screening factor for BHEL — invest your main preparation effort here.

- Refer to the GATE syllabus for your specific discipline (Mechanical, Electrical, Electronics, or others as notified)

Interview Preparation (not examined academically, but relevant)

Ground your answers in BHEL's actual business verticals rather than generic engineering talk.

- BHEL's core business areas — power equipment, transportation, defence, renewable energy
- Basic understanding of heavy engineering and manufacturing processes relevant to your discipline

Selection Process

- 1 Application with a valid current-year GATE score in the relevant discipline.
- 2 Shortlisting based on the discipline-wise GATE score cut-off set by BHEL.
- 3 Personal Interview.
- 4 Document Verification and Medical Examination.

Salary & Job Profile

BHEL Engineer Trainees typically start with a CTC in the range of ■8–12 lakh per annum during the training period, with a defined pay scale progression upon confirmation into a regular engineering role.

Best Books for Preparation

- GATE discipline-specific standard textbooks (Mechanical/Electrical/Electronics, as applicable)
- GATE Previous Year Solved Papers — discipline-wise
- Basic manufacturing and heavy engineering process references (for interview context)

Previous Cut-off Trends (Approximate)

BHEL's discipline-wise GATE score cut-offs vary by year, vacancy count and applicant pool — always check BHEL's official cut-off release for the specific discipline and recruitment cycle.

Preparation Tips

- Treat GATE as the primary gatekeeper for BHEL shortlisting — invest the bulk of your preparation time there.
- Once shortlisted, prepare specifically for interview questions on heavy engineering and manufacturing processes relevant to your discipline.
- Research BHEL's recent projects and diversification into renewable energy for a well-rounded interview performance.
- Track BHEL's specific discipline-wise cut-off trends from recent years to calibrate your target GATE score.

Exam Day Guidelines

- Since selection relies on GATE score, focus primary preparation on scoring well in GATE itself.
- Research BHEL's specific business verticals (power, transportation, defence, renewables) relevant to your discipline before the interview.
- Keep your GATE scorecard and educational documents ready and valid for shortlisting and verification.
- Prepare to discuss your academic projects and their relevance to BHEL's manufacturing and engineering focus.

Frequently Asked Questions

Does BHEL conduct its own written exam?

BHEL has typically used GATE score as the primary shortlisting criterion for Engineer Trainee recruitment, followed by a Personal Interview — always verify against the current notification.

What business areas does BHEL cover beyond power equipment?

BHEL's core business spans power equipment manufacturing, transportation systems, defence engineering and renewable energy, offering diverse engineering role profiles.

Is there a Group Discussion stage in BHEL selection?

Selection typically involves a Personal Interview rather than a separate Group Discussion, though this can vary by recruitment cycle — check the current notification.

Compiled and reviewed by Syllabus Hub against the official Bharat Heavy Electricals Limited notification as of 26 Jan 2026. Exam patterns, vacancies and dates are subject to change — always cross-check with the official notification at [bhel.com](https://www.bhel.com) before applying. © 2026 Syllabus Hub.