

MULTIPLE OPTIONS FOR ENGINEERS

The opportunities available to those who qualify GATE are ever increasing. Here is a snapshot.

This year the GATE will conclude by the end of February. There are two major options open to a student after he or she appears for GATE. One, pursue a postgraduation course (M.Tech, ME, MS etc) in various engineering colleges. Two, apply for a job in various Public Sector Undertakings (PSUs) that recruit through GATE. These include BHEL, NTPC, Indian Oil Corporation, HPCL, BPCL and Power Grid (view table).

Choosing an institute

There are a variety of programmes that can be pursued in the IISc, IITs, NITs etc. A majority of these programmes award an ME/M.Tech degree, which lead to a job in the technology domain. The choice of institutes would depend on an aspirant's GATE score, his discipline and study interests. As a thumb rule, the institutes can be classified into seven groups (view table).

Discipline-wise

Traditionally the departments of Computer Science, Electronics, Electrical and Mechanical Engineering have been the most sought-after. Within these departments, some disciplines have more traction or slightly better opportunities. For example, Manufacturing Engineering has gained prominence in the last few years as more and more companies are setting up high-end

manufacturing base in India. The most sought-after courses are:

Electronics and Electrical Engineering

1. VLSI (Very Large Scale Integration)
2. Communication Technology
3. Power Systems
4. Power Electronics

Mechanical Engineering

1. Design Engineering
2. Manufacturing Engineering

Due to the infrastructure and construction boom witnessed in India and the world over in the last few years, Civil Engineering has also rediscovered its scope. And a few niche disciplines like

control system and automation, reliability engineering also offer immense job and research opportunities.

Job opportunities

The nature of such jobs is innovation in technology/processes along with technology and man management. Some programmes award an



Institutions you may get with your GATE score

GROUP	GENERAL RULE FOR APPLYING*
IISc Bangalore, IIT Bombay	AIR<100 for Direct Admission to most courses, up to AIR 600 for some courses
IIT Kanpur, IIT Delhi, IIT Madras	Up to AIR 300 for most courses
IIT Kharagpur	Up to AIR 600 for most courses
IIT Roorkee, IIT Guwahati, IIT BHU	Up to AIR 1000
NITs, Jadavpur University, IIT Hyderabad, IIT Patna etc	Up to AIR 1500
Government Engineering Colleges	Up to AIR 2500
Private Engineering Colleges	Above AIR 2500

* These are general guidelines, most appropriate for the departments of Computer Science, Electronics, Electrical and Mechanical Engineering



HIGHER EDUCATION in engineering will lead to positions which have a larger planning component.

MS (Masters in Science) degree, and are more research-oriented in nature. These lead to research jobs – affiliated to either academic institutions or the industry. One can also pursue a PhD to remain entrenched and progress in the research domain.

Choose a Job

As the list below shows about 2000-3500 vacancies are filled in various Government and Public Sector Undertakings using GATE scores. (For detailed information on these jobs, do see the article on PSU jobs in www.careers360.com or our September 2012 issue. These are high quality jobs and the training and learning opportunities in some of these organisations is fantastic. The pay package too is about 10 lakhs per annum and is comparable to similar private sector jobs. The prerequisites and the level of job security is unmatched in these positions. So if you have a good score considering the PSU as an option is probably a wise decision to make. ■

The author is Abhijit Chaudhuri, Director, GATEFORUM

JOB OPPORTUNITIES FOR GATE-QUALIFIED CANDIDATES

PSU	Vacancies	Streams Applicable	Relevant Dates	CTC (approx)	Web
PowerGrid	NA	EE	7 Jan - 8 Feb	12.67 lakh pa	www.careers360.com/news/9389-POWERGRID-electrical-engg-recruitment
IOCL	400	CE, CH, CS, EE, IN, EE, ME and Metallurgy	10 Dec-11 Feb	9 lakhs	www.careers360.com/news/9415-Indian-Oil-225-engineers-needed
MECL	20	ME	1 Jan - 31 Jan	4.8 lakhs pa	www.engineering.careers360.com/psus-recruitment-gate-2013
DDA	NA	CE, EE, ME	24 Dec - 14 Feb	4.8 lakhs pa	www.engineering.careers360.com/psus-recruitment-gate-2013
BEL India	150	EC, ME, CS	28 Dec - 14 Feb	4.8 lakhs pa	www.engineering.careers360.com/graduate-engineers-bel-gate-2013
GAIL	NA	ME, EE, CH, IN	6 Dec - 15 Jan	NA	www.careers360.com/news/9396-Gail-India-Ltd-Engineers-recruitment-Via-GATE
BPCL	NA	ME	5 Dec - 9 Feb	10 lakhs pa	www.careers360.com/news/9395-BPCL-Mech-trainees-via-GATE
BHEL	500	ME, EE, EC	1 Sep - 31 Sep	8-9 lakhs pa	www.careers360.com/news/9426-BHEL-500-graduate-engineers-needed
NTPC	209	EE, ME, CE, IN, EC	20 Jan - 10 Feb	3-6 Lakhs	www.careers360.com/news/9420-NTPC-209-engineers-needed
HPCL	250	ME, CE, EE, EC, IN	24 Dec - 14 Feb	8.5 Lakhs	www.careers360.com/news/9381-HPCL-graduate-engg-recruitment
NALCO	60	ME, EE, IN, CE, CH, EC, Metallurgy, Mining, Geology	30 Spet - 8 Oct	8.86 Lakhs	www.engineering.careers360.com/psus-recruitment-gate-2013
MECON	40	ME and CE	15 Jan - 14 Feb	7.25 lakhs	www.engineering.careers360.com/mgmt-trainees-tech-gate-2013-mecon
CONCOR	NA	ME and CS	4 Feb	NA	http://jobapply.in/concorgate/

Source: Careers360 research; based on information available on websites of different Public Sector Units and inputs from Gateforum