



CAREER AFTER CHEMICAL ENGINEERING

Scope after B.E.\B.Tech.



Set your Goal

Government Job

Private Job

Consultancy

Business

Further Study

Central Government & PSU Jobs

- 1 IOCL (Indian Oil Corp. Ltd.)
- 2 BPCL (Bharat Petroleum Corp. Ltd.)
- 3 HPCL (Hindustan Petroleum Corp. Ltd.)
- 4 NTPC (National Thermal Power Corp. Ltd.)
- 5 GAIL (Gas Authority of India Ltd.)
- 6 ISRO (Indian Space Research Organization)
- 7 HAL (Hindustan Aeronautics Ltd.)
- 8 NFL (National Fertilizers Ltd.)
- 9 ONGC (Oil and Natural Gas Corporation Ltd.)
- 10 NALCO (National Aluminium Company Ltd.)
- 11 SAIL (Steel Authority of India Ltd.)
- 12 NPCIL (Nuclear Power Corporation of India)
- 13 DRDO (Defence Research and Development Organization)
- 14 MDL (Mazagon Dock Shipbuilders Ltd.)
- 15 CCIL (Cement Corporation of India Ltd.)
- 16 EIL (Engineers India Ltd.)
- 17 KRIBHCO (Krishak Bharti Cooperative)

Selection Procedure for PSU

Sr.	Company	Where to apply	Eligibility	Exam Pattern
1	IOCL	www.iocl.com	B.E./B.Tech. (Chemical) with minimum 60% aggregate marks	<ul style="list-style-type: none"> • Short listing on the basis of GATE score • Group discussion /task • Personal interview
2	BPCL	www.bharatpetroleum.com		
3	HPCL	www.hindustanpetroleum.com		
4	NTPC	www.ntpc.co.in	B.E./B.Tech. (Chemical) with minimum 65% aggregate marks	<ul style="list-style-type: none"> • Short listing on the basis of GATE score • Personal interview
5	GAIL	www.gailonline.com	B.E./B.Tech. (Chemical) with minimum 60% aggregate marks	
6	ISRO	www.isro.gov.in		
7	EIL	www.engineersindia.com		
8	NFL	www.nationalfertilizers.com		
9	ONGC	www.ongcindia.com		
10	NALCO	www.nalcoindia.com		
11	SAIL	www.sail.co.in	B.E./B.Tech. or M.E./M.Tech. (Chemical) with minimum 65% aggregate marks	

Selection Procedure for PSUs (Contd...)

Sr.	Company	Where to apply	Eligibility	Exam Pattern
12	DRDO	www.drdo.gov.in	B.E./B.Tech. (Chemical) with minimum 60% aggregate marks	<ul style="list-style-type: none"> • Written test
13	CCIL	www.ccilindia.com		
14	MDL	www.mazagondock.in		
15	KRIBHCO	www.kribhco.net	B.E./B.Tech. (Chemical)	<ul style="list-style-type: none"> • GATE score : 60% Marks • Interview : 15% Marks • Qualification : 25% Marks
16	NPCIL	www.npcilcareers.co.in	B.E./B.Tech. (Chemical)	<ul style="list-style-type: none"> • Written test • Personal Interview • Voice test to be conducted at the time of interview.
17	HAL	www.halindia.com	B.E./B.Tech. (Chemical) with minimum 60% aggregate marks	<ul style="list-style-type: none"> • Short listing on the basis of GATE score • Written test • Personal interview

State Government & Local Authority Jobs

State Government Authority

- | | |
|--|---|
| 1 GSFC (Gujarat State Fertilizers & Chemicals) | 8 GMDC (Gujarat Mineral Development Corp.) |
| 2 GNFC (Gujarat Narmada valley Fertilizers & Chemical) | 9 GSPL (Gujarat State Petronet Ltd.) |
| 3 GACL (Gujarat Alkalies & Chemicals Ltd.) | 10 GCPC (Gujarat Cleaner Production Centre) |
| 4 GFL (Gujarat Fluorochemicals Ltd.) | 14 IPR (Institute of Plasma Research) |
| 5 GIDC (Gujarat Industrial Development Corp.) | |
| 6 GEMI (Gujarat Environment Management Institute) | |
| 7 GPCB (Gujarat Pollution Control Board) | |

Local Authority

1. Sugar Industries
2. Pulp & Papers Industries
3. Pharmaceutical Industries



• **Selection Procedure for State Government Authority and Local Authority**



Job announcement in newspaper



Apply online at www.ojas.gujarat.gov.in



Written test will be conducted as per schedule (MCQ type test)



Class- II

- Document verification
- Personal interview

Class- III

- Document verification
- Direct recruitment on the basis of merit

Private Jobs



Multi National Company

National Level Company

Under Private Contractor

Under Government Contractor

- **Multi National Company**

(1) Essar Group (2) Reliance Petroleum (3) Linde (4) L & T (5) Aditya Birla Chemicals *and 100+ companies*

Selection Procedure

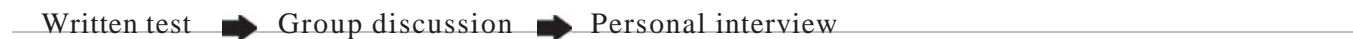


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National Level Company

(1) Atul Chemicals (2) Aarti Chemicals (3) Shriram Chemicals (4) Cadila Pharmaceuticals *and 1000+ companies*

Selection Procedure



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Under Private Contractor

If you want to start your own private business then you should do job for atleast 2 to 3 years under private contractor. 5000+ private contractors are working in Gujarat.

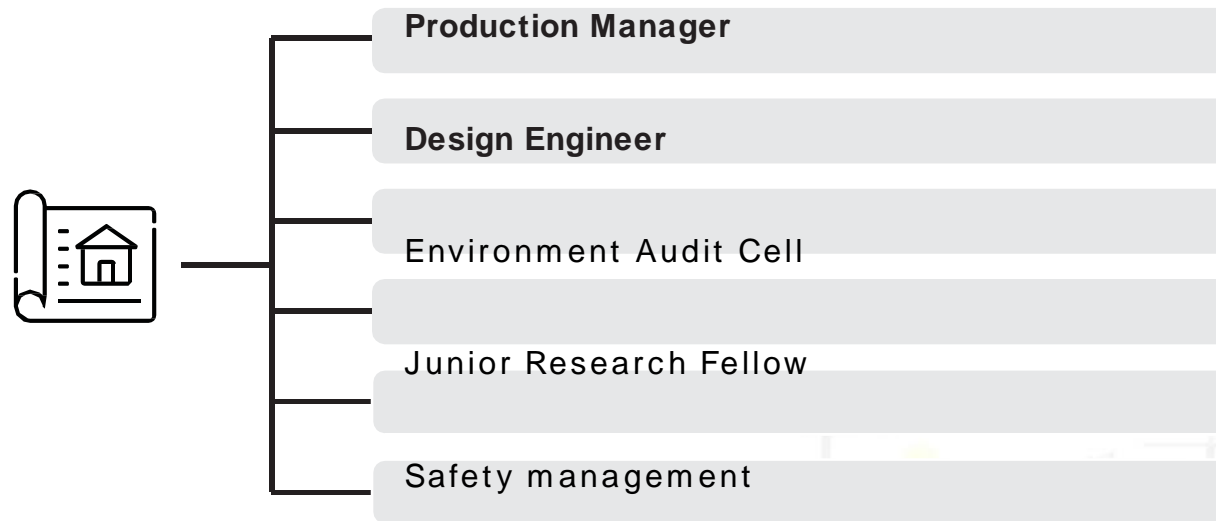
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Under Government Contractor

If you want to start your own government contract business then you should do job for atleast 2 to 3 years under government contractor. 1000+ Government contractors are working in Gujarat.

Consultancy

Consulting Chemical engineer provides expert advice on the design, planning and management of construction projects. It is the field for an engineer who enjoys the challenges of dynamic problems. Chemical Engineer can work as a,



- **Production Manager**

A) Qualification and Experience

Qualification	Experience
B.E./B.Tech. (Chemical Engineering)	At least 3 years experience in production unit.

B) Scope of Work

To prepare & submit production details for
All types of Operation and Process

- **Design Engineer**

A) Qualification and Experience

Qualification	Experience
B.E./B.Tech. (Chemical Engineering)	At least 5-years experience in Process Designing
M.Tech (Chemical Engineering)	At least 2-years experience in Process Designing

B) Scope of Work & Competence

- Preparation & planning of all types of layouts & submission drawings & to submit certificate of supervision & completion for all types of processes and equipments.
- Supervision & execution of work as per specifications & drawings prepared by Design Engineer.
- Preparation of the structural details and calculations for buildings of load bearing structures.
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- **Environment Audit Cell**

- A) Qualification

- **B.E./B.Tech.** (Chemical Engineering)
 - **Diploma** (Chemical Engineering or Architecture)

- B) Scope of Work & Competence

- Preparation of Reports and certificates of monitoring
To carry out Audit Monitoring at different Industries

- C) Registration

- Register as Environment Audit Cell

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- **Junior Research Fellow**

A) Qualification and Experience

Qualification	Experience
B.E./B.Tech. (Chemical Engineering)	Fresher's can apply. With background knowledge of project candidate can apply for the JRF post.

B) Scope of Work & Competence

- Should be able to understand the project and must have ability to work in accurate manner
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- **Safety Management**

- A) Qualification and Experience

Qualification	Experience
B.E./B.Tech. (Chemical Engineering)	3-years experience in Production and maintenance
M.E./ M.Tech in Health & Safety Engineering	2-years experience

Government Approved Material Testing Laboratory

- - Scope of the work
 - To carry out environment audit monitoring as per I.S. methods and to prepare the test results with recommendation and remarks.
 - Approval required
 - NABL (NATIONAL ACCREDITATION BOARD FOR TESTING AND CALIBRATION LABORATORIES)
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R.N.G. Patel Institute of Technology

Business

Civil Engineer design, build, supervise, operate and maintain construction projects and systems in the public and private sectors. Civil engineer can work as a,



Private small scale plant

Private Fabrication unit

Environment Consultant



Further Study

- **M.E./ M.Tech.**

- Admission through GATE /PGCET
- Following are the specialization of civil engineering :

Sr.	Branches
1	Chemical Engineering
2	Computer Aided Process Design
3	Surface Science & nano technology
4	Process Equipment Design
5	Petrochemical
6	Polymer Science
7	Rubber Technology
8	
9	

- **MBA**

- Admission through GMAT /CAT

THANK YOU

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