

# Electrician Job Interview Questions And Answers



**Interview Questions Answers**

**<https://interviewquestionsanswers.org/>**

## About Interview Questions Answers

**Interview Questions Answers . ORG** is an interview preparation guide of thousands of Job Interview Questions And Answers, Job Interviews are always stressful even for job seekers who have gone on countless interviews. The best way to reduce the stress is to be prepared for your job interview. Take the time to review the standard interview questions you will most likely be asked. These interview questions and answers on Electrician will help you strengthen your technical skills, prepare for the interviews and quickly revise the concepts.

If you find any **question or answer** is incorrect or incomplete then you can **submit your question or answer** directly with out any registration or login at our website. You just need to visit [Electrician Interview Questions And Answers](#) to add your answer click on the *Submit Your Answer* links on the website; with each question to post your answer, if you want to ask any question then you will have a link *Submit Your Question*; that's will add your question in Electrician category. To ensure quality, each submission is checked by our team, before it becomes live. This [Electrician Interview preparation PDF](#) was generated at **Wednesday 29th November, 2023**

You can follow us on FaceBook for latest Jobs, Updates and other interviews material.  
[www.facebook.com/InterviewQuestionsAnswers.Org](http://www.facebook.com/InterviewQuestionsAnswers.Org)

Follow us on Twitter for latest Jobs and interview preparation guides.  
<https://twitter.com/InterviewQA>

If you need any further assistance or have queries regarding this document or its material or any of other inquiry, please do not hesitate to contact us.

Best Of Luck.

**Interview Questions Answers.ORG Team**  
<https://InterviewQuestionsAnswers.ORG/Support@InterviewQuestionsAnswers.ORG>



# Electrician Interview Questions And Answers Guide.

### Question - 1:

Working principle of rotary kiln under high temperature?

#### Ans:

The rotary kiln in the application area, the numbers to be most cement industry. The whole process of cement production line summarized as 'two ground a burn,' with 'a burning,' is made by grinding good raw material, in the high temperature of kiln under the action of the process of burning become clinker. The equipment is also widely used in metallurgical, chemical, building, refractory material, environmental protection, and other industries.

The rotary kiln under high temperature overloaded alternating slow operation, and its annex equipment maintenance and thermal rail system related to the level of control of the rotary kiln working safety and efficiency. Therefore, rotary kiln cement produces the host, commonly known as the cement factory 'heart'. Rotary kiln cement industry forged in the main equipment burn the cement clinker. The stand or fall of sealing device directly affects the thermal rail system and run the rotary kiln capital. Strengthen rotary kiln daily maintenance data analysis of the pack; be helpful for equipment management work.

Cement kiln is used for making of cement clinker and there are dry and wet methods to make cement. Metallurgy chemical kiln is used in metallurgy industry and ironworks for lean iron ore, chromium ore and ferronickel ore calcimine. Rotary kiln is used for calcimine of high aluminum vandall ochre in refractory material industry; for calcimine of calotte and aluminum hydroxide in aluminum manufacturer; for claiming of chrome sand ore and chrome powder ore in chemical plant. Lime kiln is used for baking active lime and dolomite in the steel factory and ferroalloy factory.

Rotary kiln is the main equipment for calcining cement clinker and it can be used widely for cement industry ,metallurgy industry ,chemical industry , etc. Which can be divided into cement kiln ,metallurgy chemical kiln and lime kiln according to different materials.

[View All Answers](#)

### Question - 2:

What is the difference between fuse and circuit breaker?

#### Ans:

Fuse:

A fuse has a wire that melts with the heat of a short circuit or high current and interrupts the circuit. Once melted, you have to replace it.

Circuit Breaker:

A circuit breaker interrupts the current without melting ( a pair of metal sheets with different thermal expansion coefficient, for example) and can be reset.

[View All Answers](#)

### Question - 3:

What services do you provide?

#### Ans:

We provide the following:...

- \* Residential electrical work, central heating, cooling and air filtration
- \* Convenient, secure online self-scheduling for all your electrical needs
- \* Extended hours of operation: 7am -7pm
- \* Discounted member rates on labor and services
- \* A Home Electrical Safety Survey of all electrical systems for members

[View All Answers](#)

### Question - 4:

What is The Electrician?

#### Ans:

The Electrician is a home electrical service created by The Electrician Service Co. Inc. serving homeowners, in Nassau and Suffolk Counties.

[View All Answers](#)

### Question - 5:

What does "14-2" mean?

#### Ans:

This is used to describe the size and quantity of conductors in a cable. The first number specifies the gauge. The second



the number of current carrying conductors in the wire - but remember there's usually an extra ground wire. "14-2" means 14 gauge, two insulated current carrying wires, plus bare ground. -2 wire usually has a black, white and bare ground wire. Sometimes the white is red instead for 220V circuits without neutral. In the latter case, the sheath is usually red too. -3 wire usually has a black, red, white and bare ground wire. Usually carrying 220V with neutral.

[View All Answers](#)

### Question - 6:

Breakers? Can I use fuses?

#### Ans:

Statistics show that fuse panels have a significantly higher risk of causing a fire than breaker panels. This is usually due to the fuse being loosely screwed in, or the contacts corroding and heating up over time, or the wrong size fuse being installed, or the proverbial "replace the fuse with a penny" trick. Since breakers are more permanently installed, and have better connection mechanisms, the risk of fire is considerably less. Fuses are prone to explode under extremely high overload. When a fuse explodes, the metallic vapor cloud becomes a conducting path. Result? From complete meltdown of the electrical panel, melted service wiring, through fires in the electrical distribution transformer and having your house burn down. Breakers won't do this.

[View All Answers](#)

### Question - 7:

What does a fuse or breaker do? What are the differences?

#### Ans:

Fuses and circuit breakers are designed to interrupt the power to a circuit when the current flow exceeds safe levels. For example, if your toaster shorts out, a fuse or breaker should "trip", protecting the wiring in the walls from melting. As such, fuses and breakers are primarily intended to protect the wiring -- UL or CSA approval supposedly indicates that the equipment itself won't cause a fire. Fuses contain a narrow strip of metal which is designed to melt (safely) when the current exceeds the rated value, thereby interrupting the power to the circuit. Fuses trip relatively fast. Which can sometimes be a problem with motors which have large startup current surges. For motor circuits, you can use a "time-delay" fuse (one brand is "fusetron") which will avoid tripping on momentary overloads. A fusetron looks like a spring-loaded fuse. A fuse can only trip once, then it must be replaced.

[View All Answers](#)

### Question - 8:

What is a circuit?

#### Ans:

Inside the panel, connections are made to the incoming wires. These connections are then used to supply power to selected portions of the home. There are three different combinations:

- 1) one hot, one neutral, and ground: 110V circuit.
- 2) two hots, no neutral, and ground: 220V circuit.
- 3) two hots, neutral, and ground: 220V circuit + neutral, and/or two 110V circuits with a common neutral.

[View All Answers](#)

### Question - 9:

My house does not meet some of these rules and regulations. Do I have to upgrade?

#### Ans:

In general, there is no requirement to upgrade older dwellings, though there are some exceptions (ie: smoke detectors in some cases). However, any new work must be done according to the latest electrical code. Also, if you do "major" work, you may be required to upgrade certain existing portions or all of your system. Check with your local electrical inspector.

[View All Answers](#)

**Question - 10:**

What is CSA approval?

**Ans:**

Every electrical device or component must be certified by the Canadian Standards Association (or recognized equivalent) before it can be sold in Canada. Implicit in this is that all wiring must be done with CSA-approved materials. They perform testing similar to the UL (a bit more stringent), except that CSA (or recognized equivalent) approval is required by law.

Again, like the UL, if a fire was caused by non-CSA-approved equipment, your insurance company may not have to pay the claim.

Note: strictly speaking, there usually is a legal way around the lack of a CSA sticker. In some cases (eg: Ontario), a local hydro inspection prior to purchase, or prior to use, is acceptable. The hydro inspector will affix a "hydro sticker" to the unit, which is as good as CSA approval. But it costs money - last I knew, \$75 per unit inspected.

[View All Answers](#)

**Question - 11:**

What is UL listing?

**Ans:**

The UL stands for "Underwriters Laboratory". It used to be an Insurance Industry organization, but now it is independent and non-profit. It tests electrical components and equipment for potential hazards. When something is UL-listed, that means that the UL has tested the device, and it meets their requirements for safety - ie: fire or shock hazard. It doesn't necessarily mean that the device actually does what it's supposed to, just that it probably won't kill you.

The UL does not have power of law in the U.S. -- you are permitted to buy and install non-UL-listed devices. However, insurance policies sometimes have clauses in them that will limit their liability in case of a claim made in response to the failure of a non-UL-listed device. Furthermore, in many situations the NEC will require that a wiring component used for a specific purpose is UL-listed for that purpose. Indirectly, this means that certain parts of your wiring must be UL-listed before an inspector will approve it and/or occupancy permits issued.

[View All Answers](#)

**Question - 12:**

What is the NEC? Where can I get a copy?

**Ans:**

The NEC is a model electrical code devised and published by the National Fire Protection Association, an insurance industry group. It's revised every three years. The 1993 version has been released. You can buy a copy at a decent bookstore, or by calling them directly at 800-344-3555. The code exists in several versions. There's the full text, which is fairly incomprehensible. There's an abridged edition, which has only the sections likely to apply to most houses. And there's the NEC Handbook, which contains the "authorized commentary" on the code, as well as the full text. That's the recommended version. Unfortunately, there's no handbook for the abridged edition. And the full handbook is expensive -- US\$65 plus shipping and handling.

[View All Answers](#)

**Question - 13:**

Does the electrician need a copy of my plans?

**Ans:**

If you are building a new property it is helpful for the electrician to see the plans. Also discuss your personal needs so that power outlets are conveniently placed.

[View All Answers](#)

**Question - 14:**

Can't I do the work myself?

**Ans:**

It's OK to visit the hardware shop and buy the switch you like the look of. But you need a licensed electrician to complete the work. A licensed electrician will issue a certificate to show the work complies with building standards. That way your property won't be devalued or insurance issues crop up in the event of a problem.



[View All Answers](#)

**Question - 15:**

When do I call an electrician?

**Ans:**

Whenever you have a job relating to power or wiring.

[View All Answers](#)

**Question - 16:**

What about solar electricity?

**Ans:**

An electrical contractor can install solar panels to your property. Excess energy collected by your solar panels is fed into the electrical grid. You receive credit for power generated on your electricity bill.

[View All Answers](#)

**Question - 17:**

I have got old wiring, can any electrician handle that?

**Ans:**

Old wiring can be dangerous. Use a licensed electrician with experience in older homes or property.

[View All Answers](#)

**Question - 18:**

How do I know if my electrical installation is safe?

**Ans:**

Only a qualified electrical contractor is licensed to properly test your installation for safety and issue a compliance certificate.

[View All Answers](#)

**Question - 19:**

What is a safety switch?

**Ans:**

A safety switch is a device fitted to the property supply that cuts out electricity almost instantly in the event of a significant power leak or surge.

[View All Answers](#)

**Question - 20:**

What can I do to protect myself from electrical accidents or injuries?

**Ans:**

Have an electrical contractor install a safety switch or circuit breaker. Nearly all electrical accidents involving consumer products could have been prevented by one of these devices.

[View All Answers](#)

**Question - 21:**

What rules do electrical contractors have to follow?

**Ans:**

Electrician is a trade qualification and electrical contractors are licensed in each state. Many electricians also choose to belong to professional associations like NECA (National Electrical & Communications Association).

[View All Answers](#)

**Question - 22:**

What should I do if I need to hire an electrical contractor?

**Ans:**

Be sure to hire a licensed professional electrician. There are several reasons for this:

1. you'll get a better job
2. work will comply with the building code
3. you won't have an insurance problem if something goes wrong

[View All Answers](#)

**Question - 23:**

How much does an electrician charge?

**Ans:**

Most good quality electricians will provide you with a detailed quotation free. For smaller jobs, a price estimate is often available over the phone.

[View All Answers](#)

**Question - 24:**

What is an electrical contractor?

**Ans:**

Electrical contractors are qualified to install and connect wiring, fixtures and appliances. They also install solar panels and other equipment for generating power.

[View All Answers](#)

**Question - 25:**

Is there any way for me to spend less for availing of electrician services?

**Ans:**

One of the best ways to save money on electrician costs is to do some research. Find out how much electrician companies and individual electricians charge for their services. Compare quotes between different electrician service providers and determine which one is best for your budget. You can learn more tips from our "Work and Costs" section.

[View All Answers](#)

**Question - 26:**

What is the NEC?

**Ans:**

NEC stands for National Electrical Code. Refer to our page on the NEC for more details.

[View All Answers](#)

**Question - 27:**

Is an electrician license really that important?

**Ans:**

Absolutely. A valid professional license is the ultimate proof of your electrician's qualifications. Without one, your electrician can't assure you that he has gone through the requisite training and tests that would enable him to perform at a high standard and in accordance with the NEC. Never hire an unlicensed electrician if you're after quality service. (Refer to our "Electrician Licensing" page for more on this.)

[View All Answers](#)

**Question - 28:**

What makes an electrician qualified to do what he does?

**Ans:**

His years of studying, training, and gaining relevant experience. An electrician needs to complete school and spend years (or the equivalent of several thousand working hours) as an apprentice before he even becomes eligible for a license. Add the skill and experience he developed after acquiring his license, and you should be confident that he can serve you well.

[View All Answers](#)

**Question - 29:**

What kind of electrician should I hire?

**Ans:**

Electricians have varying levels of experience and qualifications. There are apprentices, Journeyman electricians, and Master electricians.

An apprentice is still required to work under the supervision of a Journeyman and Master electrician. A Journeyman electrician has extensive knowledge of various electrical fields and can work unsupervised, but he is still not sufficiently qualified to take on electrical projects of utmost complexity. A master electrician is fully qualified to handle any electrical project. Your electrician's experience should at least be directly proportional to the difficulty of the job you need to have done.

[View All Answers](#)

**Question - 30:**

Should I immediately call an electrician or first attempt to do an electrical job myself?

**Ans:**

When dealing with an electrical problem, it's best to contact a licensed professional at once. If you try to solve the problem on your own, you could jeopardize your safety as well as that of your electrical system and equipment. And though it's not as urgent, electrical installation of any kind also merits expert assistance.

It's likely that you don't want to hire an electrician because of the expense, but that plan could easily backfire. Any mistakes you make may lead to damages that will only cost you more in the long run.

[View All Answers](#)

## Other Professions Most Popular & Related Interview Guides

- 1 : [Agriculture Interview Questions and Answers.](#)
- 2 : [Police Officer Interview Questions and Answers.](#)
- 3 : [Cabin Crew Interview Questions and Answers.](#)
- 4 : [Firefighter Interview Questions and Answers.](#)
- 5 : [Fire Officer Interview Questions and Answers.](#)
- 6 : [Call Center Interview Questions and Answers.](#)
- 7 : [Driver Interview Questions and Answers.](#)
- 8 : [Plumbing Interview Questions and Answers.](#)
- 9 : [Welding Interview Questions and Answers.](#)
- 10 : [Anatomy Interview Questions and Answers.](#)

Follow us on FaceBook

[www.facebook.com/InterviewQuestionsAnswers.Org](http://www.facebook.com/InterviewQuestionsAnswers.Org)

Follow us on Twitter

<https://twitter.com/InterviewQA>

For any inquiry please do not hesitate to contact us.

Interview Questions Answers.ORG Team

[https://InterviewQuestionsAnswers.ORG/  
support@InterviewQuestionsAnswers.ORG](https://InterviewQuestionsAnswers.ORG/support@InterviewQuestionsAnswers.ORG)