



Building your own electricity connection





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1. Get connected faster

2. Do more with the energy you use

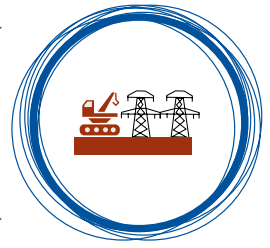
3. Grow your business

Eskom offers a mix of products specially tailored to help both existing and new customers bring their long-term business plans to fruition. One of these products is an offer to choose an Eskom-approved supplier - instead of Eskom itself - to construct an electricity connection on your behalf.

- A self-build electricity connection project will enable you to control the timing of your connection and, to a greater extent, the cost of your connection.



How to get started



This brochure outlines what you need to know and what you need to do to apply for a self-build project, an electricity connection constructed by an Eskom-approved supplier on your behalf.

Three main conditions apply:

- All suppliers and service providers that you appoint for your self-build project must be Eskom-accredited to ensure that the correct equipment is used and the quality of work adheres to Eskom standards and specifications.
- No work is allowed on upstream assets, such as inside an Eskom substation.
- An electricity supply agreement, in addition to a self-build agreement, need to be entered into with Eskom.

All self-build project applications will be considered, irrespective of the size of supply requested

Apply for a self-build project at the time when you apply for your electricity connection



- If you apply for a smaller project Eskom will issue you with a budget quotation.
- If you apply for a larger project Eskom will issue you with an initial cost estimate letter, after which you need to indicate whether you wish to receive a budget quotation and pay the relevant quotation fee. Eskom will issue you with a budget quotation if you so wish.

You are limited to undertaking a self-build project for own use only. No work beyond your own project, including work on existing infrastructure, assets used by other customers or upstream assets, such as inside an Eskom substation, is allowed.



Follow these steps to complete your application:



Step 1

Go to <http://www.eskom.co.za/CustomerCare/NewSupply/Pages/SelfBuild.aspx> - Eskom's Self-Build Policy Document can be downloaded for free at the hyperlink under the heading "Follow these steps to complete your application" (see Step 1 on the web page)

It details your and Eskom's responsibilities – from application to completion - in regard to undertaking a self-build electricity connection project. Hereby a concise summary of each:

Your responsibilities

- Selecting the site and route of the project in consultation with Eskom
- Obtaining land rights, inclusive of statutory approvals; permits and required licences
- Doing an environmental impact study and obtaining project authorisation from the Department of Environmental Affairs
- Doing a final design and risk assessment of the project
- Appointing Construction and Control Plant Contractors in conjunction with Eskom
- Managing all appointed stakeholders
- Constructing the electricity connection and completing the project in line with Eskom standards and specifications
- Handing-over the electricity connection to Eskom to manage and maintain

Eskom's responsibilities

- Accepting the site and route selection of the project
- Outlining standards and specifications relating to sites, routes, wayleaves and/or servitudes
- Verifying whether the final project design complies with Eskom standards and specifications
- Doing all work on existing assets and associated system reinforcements
- Doing all work on all assets that cannot be safely and efficiently separated from existing live, in-service systems
- Doing quality control and monitoring construction work in line with Eskom standards and specifications
- Doing site inspection after construction has been completed
- Taking ownership of the electricity connection to manage and maintain it up to the point of the customer's meter



Step 2

Go to <https://scot.eskom.co.za> and familiarise yourself with the following additional information:

- Eskom's equipment specifications
- Eskom's standardised designs and drawings
- Eskom's electrification standards
- Eskom's Buyer Guide
- Eskom's List of Accepted Products (LAP)

This website is secure and requires you to have a valid **username** and **password**. Access to <https://scot.eskom.co.za> can be obtained by completing the New User Form. (An annual web subscription as listed on the website.)

Step 3

Describe and motivate your project. Get a specialist in your region to help you with this process:
Call 08600 37566 and ask Eskom's Customer Executive to provide you with a contact list of relevant specialists

- Your project's name
- Background and reasons for building your own electricity connection
- Geographic area
- Route and line length
- MVA (apparent power) required
- MVA (apparent power) ramp-up schedule required
- Voltage required
- Types of conductor¹ to be used
- Substation transformers² and their sizes
- Estimated project cost
- Conceptual level summary of the components of the electricity connection that you will be constructing prior to handing it over to Eskom upon completion
- Preferred connection date

1. A conductor is an object or type of material that allows the flow of an electrical current in one or more directions. Materials made of metal are common electric conductors.

2. A transformer is a static piece of apparatus with two or more windings which, by electromagnetic induction, transforms a system of alternating voltage and current into another system of voltage and current for the purpose of transmitting electric power.

Step 4

Prepare:

- A Network Planning Report or Business Case Report motivating the need for your electricity connection
- A complete basic or preliminary design of the electricity connection in line with Eskom's standard designs, guidelines and specifications
- A basic project risk assessment report
- A construction method statement

Step 5

Gather the following documentation:

- Copies of shareholders' IDs
- Company registration number and certificate
- Tax clearance certificate
- A signed letter (on your company letterhead) authorizing a specific individual with a specific designation to contract with Eskom on your behalf

Step 6

Prepare your application on your company letterhead

- Address it to the relevant regional manager at Eskom
- Include and attach all the required documentation and information
- Deliver your application to an Eskom Customer Service Hub closest to you
- Be sure to obtain a reference number
- Go to <http://www.eskom.co.za/CustomerCare/NewSupply/Documents/20171120%20WIC%20physical%20address.xlsx> for a list of Eskom Customer Service Hubs

Eskom follows these steps upon receipt of your application:



Step 1

Assesses your application

If you have applied for a smaller project Eskom will issue you with a budget quotation

If you have applied for a larger project Eskom will issue you with an initial cost estimate letter, after which you need to indicate whether you wish to receive a budget quotation and pay the relevant quotation fee

Step 2

If you so wish, supplies you with a budget quotation together with an electricity supply agreement and a draft self-build agreement

The quotation will reflect the project's scope and cost while the self-build agreement will detail the terms and conditions, and the standards and specifications that need to be adhered to

Note: In all cases there will be works that are Eskom's sole responsibility and works that you are not allowed to undertake (or do not wish to construct)

Step 3

Authorises the project once you have accepted the quotation, paid the connection charges, signed the electricity supply and self-build agreements and returned both to Eskom

Step 4

Initiates the work



Project commencement and completion steps:



Step 1

You appoint an Eskom-approved service provider and contractor as well as Eskom-approved suppliers.

Typically, these service providers and contractors must be registered with the relevant Built Environment Council for their respective professions, such as the South African Council for Project and Construction Management Professionals, to manage your project; and the Engineering Council of South Africa to do a final design of the project in line with Eskom specifications.

Call 08600 37566 and ask Eskom's Customer Executive to provide you with a contact list of relevant specialists who can help you with this process.

Step 2

You submit the final project design, in line with your contract requirements, to Eskom for approval

Step 3

You commence with the construction of the self-build portion of the connection works as soon as Eskom has approved the final design. Eskom will also initiate any work to be done on its portion of the connection works

Step 4

Eskom conducts quality assessments throughout the construction of the connection

Step 5

Eskom inspects and tests the completed connection and, if accepted and approved, connects it to the national power grid and energises it

Step 6

Eskom takes over ownership of the connection to operate and maintain it



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ОПАСНОСТЬ





Go to

www.eskom.co.za/idm or
www.eskom-bizhub.co.za for information
on other products specially tailored by
Eskom to help improve your business's energy
productivity as a basis for growth.

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