

APPLICATION FORM FOR A GENERATOR, ENERGY STORAGE OR HYBRID FACILITY CONNECTION

Fully completed Generator connection application form together with other relevant information must be submitted to txgridconnection@ntcsa.co.za.

For any other enquiries, please send an email to txgridconnection@ntcsa.co.za.

For Office Use

Received by	Date received	GTX / project number

Application form Structure

Section	Purpose
Part 1 –Cost Estimate Letter (CEL) Application phase	Captures applicant, project, connection, site, technical, BESS/hybrid and required supporting information.
Part 2 – Project Readiness Information /Budget Quote (BQ)Phase	Captures environmental, site, project phase and construction supply readiness information required before a Budget Quote can proceed.
Annexure A – Submission Checklist	Provides a compact attachment checklist with Attached / N/A / To Follow options.

Important Information

This application form is to be completed for generator and/or storage facilities that intend to connect directly to the Transmission System (TS). Where a generator/storage facility will connect to Eskom Distribution or any other distributor, the connection application must be submitted to the relevant Distributor in accordance with such Distributor application form and conditions.

Note 1: The NTCSA will provide a (CEL) within 40 business days of receipt of proof of payment of the Cost Estimate Fee (CEF). This period may be affected by project complexity and may be adjusted following consultation with the customer once dependencies and the extent of initial engineering planning have been established.

In future pre-feasibility or System Impact Studies may be required before submission of a CEL application for a facility, or multiple facilities, with an installed capacity exceeding 300 MW.

Part 1 must be completed in full. If a field is not applicable, indicate "Not applicable" and submitted together with all required supporting documents as indicated in Annexure A1.

- The NTCSA will validate the completeness and accuracy of the submitted application. Incomplete applications may be returned for correction. The CE fee invoice will not be issued until all required information is received. The NTCSA will provide feedback on incomplete applications within the applicable regulatory timeframe. An invoice will be issued as soon as all the information is received, and the project will then be entered into the project register
- Provide reasonable assurance of the right to develop the proposed site, such as a landowner consent letter or evidence of initial engagement with the Department of Forestry, Fisheries and the Environment (DFFE).
- Proof of payment of the applicable Cost Estimate Fee must be submitted promptly following receipt of the NTCSA-generated invoice.

Note 2: After submission, the NTCSA may contact the customer to discuss the proposed connection point, supply requirements, grid configuration and voltage level, estimated connection costs, available grid capacity, fault levels, shared-network risks, NTCSA plans that may affect the proposal, lead times and interdependent projects in the public domain.

Note 3: The NTCSA will request completion of Part 2 and proceed with a Budget Quote only once the applicable Budget Quote readiness requirements have been met.

Note 4: Terminology is according to the SA Grid Code, including the Network Code and Information Exchange Code.

Additional resources of information: 1) <https://www.ntcsa.co.za/gcca/> ; 2) <https://www.ntcsa.co.za/transmission-development/>

Note 5: Additional information may be submitted as a separate Word document if desired by the customer, in addition to the application form.

Note 6: A Cost Estimate Letter is valid for 12 months from issue date unless otherwise stated by NTCSA. If the Cost Estimate Letter is not accepted within the validity period, the application may lapse and the project may be removed from the project register.

Note 7: A Budget Quote is valid for six months from issue date unless otherwise stated by NTCSA. If the Budget Quote is not accepted and the required milestones, payments, guarantees and agreements are not completed within the applicable period, the capacity reservation may lapse and the project may be removed from the queue, subject to applicable regulatory requirements and NTCSA delays not prejudicing the customer.

Cost Estimate Fee (2026/2027)

Customer supply size category (MEC/NMD)	Applicable Cost Estimate Fee
0–1 MVA/MW/recoverable works	Refer to Eskom Distribution or municipality application procedures.
>1–10 MVA/MW	R 13 038.45 + VAT = R14 994.21
>10–50 MVA/MW	R 26 734.76 + VAT = R 30 744.98
>50–100 MVA/MW	R 39 824.20 + VAT = R 45 797.83
>100–240 MVA/MW	R 80 427.62 + VAT = R 92 491.76
>240–475 MVA/MW	R 124 375.73 + VAT = R143 032.08
>475–950 MVA/MW	R 167 828.96+ VAT = R193 003.30
>950–1425 MVA/MW	R 193 194.92 + VAT = R 222 174.15
>1425 MVA/MW	$CEF(> 1425MVA/MW) = Y + (0.41 \times Y \times (\frac{Z}{1425} - 1))$ Where: Y is the CEF for the (>950 MVA to <=1425 MVA) category Z is the MEC applied for that is above 1425MVA
Downgrades where CEL is required	R 19 724.97 + VAT = R22 684

Only one Cost Estimate Fee is payable where the facility connection and consumption supply are applied for simultaneously, based on the greater of the MEC or NMD. If subsequent applications are lodged separately, a new fee may apply. A new Cost Estimate Fee may also be payable for scope changes requested after 1) 7 days of CE Fee payment, 2) the CEL validity period expiry.

Part 1 – Primary Application Form

A. Applicant Details

Field	Applicant response
Application relationship	☐ Developer ☐ Consultant ☐ Landowner ☐ Licensed Distributor ☐ Other: _____
Customer title, name and surname	
Position / designation	
Company name	
Company registration number or ID number	
VAT number, if registered	
Date of submission	20____ / ____ / ____
Regulated procurement process?	☐ Yes – Programme name: _____ ☐ No
Commercial use / offtake model	☐ Own use without export ☐ Own use with export / net billing ☐ Wheeling to third party ☐ Other: _____

B. Applicant and Project Contact Details

Field	Response
Physical address of applicant	Complex name (where applicable): Street no.: Street: Suburb: City: Postal code:
Postal address	P.O. Box / Postal address: City and country: Postal code:
Contact person	Name: Telephone / alternative number: Cellphone number: Email:
Preferred project / facility name	

C. End Customer / Offtaker / Wheeling Information¹

Field	Response
Third party / offtaker / end-customer name	

¹ Although not mandatory for the CEL application phase, this information may assist during network planning studies and network optimization for the benefit of all network users.

Field	Response
If end customer is in a municipal network, provide municipality name	
NTCSA / Eskom/ municipality electricity account number	
Existing NMD / New NMD, if applicable	Existing NMD: _____ MVA/kVA New NMD: _____ MVA/kVA
End customer supply voltage	
End customer point-of-connection coordinates	Latitude: S ____° ____' ____." Longitude: E ____° ____' ____."
Land parcel description, municipality and province	
Attachments required	☐ End-customer / municipal wheeling letter of intent ☐ Latest account, where applicable ☐ Additional end-customer sheet attached

D. General Connection Details

Field	Response
Generator connection point detail	☐ New point ☐ Existing point
Area of supply in which connection point is located	☐ NTCSA ☐ Municipal ☐ Other: _____
Auxiliary supply required for new point?	☐ Yes – size: _____ kVA ☐ No
If an existing NTCSA point is used, provide customer account number	
Existing and new NMD / MEC, where applicable	Existing NMD: _____ kVA New NMD: _____ kVA Existing MEC: _____ kW New MEC: _____ kW
Has NTCSA previously completed a study for this facility?	☐ Yes ☐ No. If yes, provide title, issue date, reference no. and issuing department: _____
Target connection date	20____ / ____ / ____
Preferred construction option for NTCSA connection works	☐ NTCSA build ☐ Self-build with transfer to NTCSA

E. Site, Maps and Coordinates

Field	Response
On-site generator connection point coordinates	Latitude: S ____° ____' ____." Longitude: E ____° ____' ____."
Electrical connection point coordinates, where known	Latitude: S ____° ____' ____." Longitude: E ____° ____' ____."
Right to develop on proposed site	☐ Landowner consent attached ☐ Lease / ownership proof attached ☐ Other: _____
Map / GIS attachment name	Map showing site, proposed connection route, substation / grid interface and land parcels traversed: _____
Nearest NTCSA substation	

F. Generator Technical Data

Field	Response	
Required reliability of connection	☐ Non-firm / single supply / standard connection ☐ Firm / dual supply / premium connection	
New plant fault-current contribution at Point of Connection	_____ MVA	
Existing supply point information, where applicable	Existing NMD: _____ MVA New NMD required: _____ MVA Existing fault-current contribution: _____ MVA New fault-current contribution: _____ MVA	
Technology	MEC (MW)	Installed Capacity (MW)
Wind		
CSP trough		
CSP tower		
PV		
Concentrating PV		
Landfill		
Biomass		
Biogas		
Hydro / small hydro		
Coal		
Gas		
Nuclear		
Other: _____		

If the application relates to multiple sites or a phased development, the System Impact Study must address the phased approach, transmission EHV line strengthening, supply-area limits and any other Network Planning requirements. NTCSA Grid Planning input must be obtained where applicable. A generation profile must be provided for dispatchable technologies, including charge and discharge profiles for BESS.

Year / phase	Facility export capacity (MW)	Load import capacity (MVA)	Key milestone / commissioning date

G. Energy Storage / Hybrid Technical Data

Field	Response
Energy storage application	☐ Standalone energy storage ☐ Renewable Energy (RE) generator and energy storage hybrid ☐ Otherhybrid: _____
Energy source and capacity for charging storage	Import from grid: _____ MW Wind: _____ MW PV: _____ MW Other: _____ MW
Size, power / energy and technology of storage	Total import charging: _____ MW Export discharging: _____ MW Storage: _____ MWh Storage medium: _____
Combined Facility Maximum Export Capacity (MEC)	_____ MW
BESS application / use case	☐ RE output smoothing ☐ RE firming ☐ Energy support ☐ Operating reserves / ancillary services ☐ Customer purpose / behind-the-meter
Energy storage charging arrangement	☐ RE generator only ☐ Grid only ☐ Both RE generator and grid when required
Single-line diagram / topology	☐ DC coupled co-located ☐ DC tightly coupled co-located ☐ AC coupled co-located ☐ Standalone energy storage

A Battery Energy Storage System acts as both a load and a generator. The customer is advised to consider the load side of the BESS and select an appropriate tariff in accordance with the Eskom Schedule of Standard Prices, available at <https://www.eskom.co.za/distribution/tariffs-and-charges/>.

Where the BESS is synchronised to the grid and charges from the grid, the customer will be required to provide a deposit for the load side accordingly. The customer will be required to provide Eskom with an electricity account security amount for the load component of the BESS in accordance with the terms and conditions of the Electricity Supply Agreement.

Part 2 – Project Readiness Information / Budget Quote Phase

H. BQ application and Project Readiness Assessment Documents

- Fully completed Part 2 of this application form.
- Completed Request for Budget Quote.
- Proof of payment of the applicable quotation fee(s).
- NERSA registration or generation license application confirmation.
- Proof of land ownership, lease rights or permission to use the land with respect to the generation facility.
- Environmental authorization and water-use license status documentation w.r.t. the generation facility.
- Proof of reasonable viability of proposed technology and primary energy sources.
- Measured primary energy resource data, where applicable.
- Offtake confirmation, where applicable.
- Distribution license or approval from the relevant network service provider, where the customer wishes to own and operate distribution infrastructure.
- Confirmation of design consultants where works will be undertaken through a self-build scheme.

I. Environmental Information

Question	Response / status
Is a waste licence required? If yes, what is the status?	
Is an emissions licence required? If yes, what is the status?	
Is an integrated water-use licence required? If yes, what is the status?	
Are there any appeals and/or legal reviews against any environmental authorisation?	
Does the EIA application include all associated activities, including the power-line connection to the NTCSA grid?	
Name of environmental consultant, if appointed	
Potential project risks, e.g., wetlands, airports, mining, prospecting rights or other constraints	

J. Site Data and Construction Supply

Where construction supply is required for NTCSA direct connections, application must be submitted to the relevant licensed distributor.

Annexure A – Submission Checklist

Use these checklists as covering schedules to the application submission. Complete the Part 1 checklist when submitting the primary application form and the Part 2 checklist when NTCSA requests Budget Quote readiness information. Mark each item as Attached, Not Applicable or To Follow.

Annexure A1 – Part 1 Primary Application Checklist

No.	Document / information	Attached	N/A	To follow
1	Completed Part 1 – Primary Application Form	☐	☐	☐
2	Proof of payment of applicable Cost Estimate Fee	☐	☐	☐
3	Formal request for Cost Estimate Letter submitted to NTCSA	☐	☐	☐
4	Company registration documents and authorised signatory information	☐	☐	☐
5	Project description memorandum, including technology, capacity and development status	☐	☐	☐
6	Location map, site map, GIS files where available and GPS coordinates	☐	☐	☐
7	Proof of initial engagements regarding landowner consent, lease agreement, ownership proof or other land-right documentation	☐	☐	☐
8	Proof of initial engagement with environmental authorities / Department of Environmental Affairs, where applicable	☐	☐	☐
9	Electrical single-line diagram showing the facility up to the Point of Connection	☐	☐	☐
10	Generator, BESS, load and transformer technical data sheets, where applicable	☐	☐	☐
11	Generator production profile, where applicable	☐	☐	☐
12	BESS charge and discharge profile, where applicable	☐	☐	☐
13	Generator capability curves / inverter capability data, where applicable	☐	☐	☐
14	Additional information the customer deems important to form part of the application	☐	☐	☐

Annexure A2 – Part 2 Budget Quote Readiness Checklist

No.	Document / information	Attached	N/A	To follow
1	Completed Part 2 – Project / Budget Quote Readiness Information	☐	☐	☐
2	Completed Request for Budget Quote	☐	☐	☐
3	Proof of payment of applicable quotation fee(s)	☐	☐	☐
4	Environmental authorisation, EIA progress, water-use licence and related permits	☐	☐	☐
5	NERSA registration / licence application confirmation	☐	☐	☐

No.	Document / information	Attached	N/A	To follow
6	Distribution licence, if applicable	☐	☐	☐
7	Landowner consent, lease agreement, ownership proof or other land-right documentation	☐	☐	☐
8	Offtaker or end-user information, where applicable	☐	☐	☐
9	Project implementation schedule / phasing plan	☐	☐	☐
10	Preliminary grid / system impact / compliance study, where available	☐	☐	☐
11	Protection, SCADA and telecommunications philosophy or architecture, where available	☐	☐	☐
12	Reliability requirement statement, firm / non-firm requirements and special operations requirements	☐	☐	☐
13	Confirmation of design consultants where works will be undertaken through a self-build scheme	☐	☐	☐
14	Measured primary energy resource data, including BESS charge and discharge profile, where applicable	☐	☐	☐
15	Any additional supporting documents requested by NTCSA for Budget Quote readiness or deemed necessary by the customer e.g. revised project schedule /grid connection date	☐	☐	☐