

GHANA GRID COMPANY LIMITED

APPLICATION FOR CONNECTION TO
THE NATIONAL INTERCONNECTED
TRANSMISSION SYSTEM (NITS)

FOR BULK CUSTOMER/DISTRIBUTION
UTILITY



FOR OFFICIAL USE ONLY

- EC Licence
- EPA Permit
- Application Fee
- Company Data
- Bulk Facility Technical Data
- Grid Feasibility Study
- Land Documentation
- PPA

The Connection Applicant has duly submitted all required information/data.

The Application Form is completely filled.

Endorsed by:

Name: _____

Department/Section: _____

Position: _____

Signature: _____

Date: _____



**APPLICATION FOR CONNECTION TO THE NATIONAL INTERCONNECTED
TRANSMISSION SYSTEM (NITS)**

FOR BULK CUSTOMER

1 Purpose for Application

The undersigned Connection Application Customer submits this Application to connect its Facility to the NITS for power supply. This Connection Application is for (select one):

- A proposed new Facility.
- A modification to a proposed new Facility.
- An increase in capacity of an existing Bulk Supply Point (BSP).

2 Submission Address

Submit a completed application form by email to marketoperations@gridcogh.com and mail to the following address:

The Chief Executive
Ghana Grid Company Limited
P.O. Box CS 7979
Tema, Ghana
Attn: Director, System Operations
Bulk Customer Connection Application Form

3 Application Submitter

This Connection Application is submitted by:

Name of the Connection Applicant:	_____
Name of the Application Submitter:	_____
Designation/Title:	_____
Cell Phone Number:	_____
Other Phone Number:	_____
Email	_____
Signature/Date	_____

4 Documentation

Do you possess the following documentation/licenses?

Provisional Licence from Energy Commission

Yes

No

Grid Interconnection Feasibility Studies

Yes

No

Environmental Protection Agency Licence

Yes

No

Power Purchase Agreement(s)

Yes

No

Land Documentation

Yes

No

Evidence of Payment of Application Fee

Yes

No

Please attach a copy of each of these documents to the completed Application Form

5 Connection Applicant – Contact Details

a. Organization Name and Address

Organisation/Company Name: _____

Mailing Address: _____

Location: _____

City/Country _____

Note: Where a specific contact is not identified, all communications will be directed to the Main Executive Contact.

b. Nature of Business

Mining

Electricity Distribution

Manufacturing

Other

Please specify _____

c. Primary Contact (Main Executive Contact)

Name	_____
Designation/Title	_____
Cell Phone Number:	_____
Other Phone Number:	_____
Email	_____
Signature/Date	_____

d. Technical Contact

Name	_____
Designation/Title	_____
Cell Phone Number:	_____
Other Phone Number:	_____
Email	_____
Signature/Date	_____

e. Financial/Commercial Contact

Name	_____
Designation/Title	_____
Cell Phone Number::	_____
Other Phone Number::	_____
Email	_____
Signature/Date	_____

f. Legal Contact

Name	_____
Designation/Title	_____
Cell Phone Number:	_____
Other Phone Number:	_____
Email	_____
Signature/Date	_____

Schedule A

6 Guidelines for Submitting Application for connection to NITS

- a. An application for connection to the NITS shall be made to GRIDCo in accordance with the requirements in this application form.
- b. All information provided in this Application shall be treated as Confidential.
- c. The application shall be addressed to:

The Chief Executive Officer
Ghana Grid Company Limited
P.O Box CS 7979
Tema
Attn: Director, System Operations
Generator Connection Application Form

Tel: +233 0303318700/3318790
Fax: +233 303 378724/0302676180
E-mail: marketoperations@gridcogh.com

- d. An Application fee of Five Thousand United States Dollars (US\$5,000) Application Fee excluding bank charges, through a Bank draft payable to Ghana Grid Company Ltd is required for this Bulk Customer Connection Process as follows:

Bank Details

Bank:	Societe Generale Ghana
Swift Code:	SSEBGHAC
IBAN No.:	GH2880000990107
USD Account No.:	60000332352-7
Account Name:	GHANA GRID COMPANY LIMITED
Account Branch:	Ring Road Central, Head Office

- e. The Connection Applicant shall provide to GRIDCo two (2) copies of the technical data required in Schedule B to this Connection Application.

7 Incomplete Application

The application form should be duly filled out. An incomplete application shall NOT be processed [Refer to Schedule C (2)].

SCHEDULE B

8 Overview of Bulk Customer Facility

In accordance with Article 8.08 (e) of the National Electricity Grid Code, 2009 provide one set of original prints (no larger than 11" x 17" or A3 size) and electronic soft copy on cd/flash drive or by e-mail of the following:

The Connection Applicant shall provide the following information:

- a. Address or location, including the region and district, of the proposed Facility site or, in the case of an existing BSP, the name and specific location;

Project Name: _____

Project Location: _____

Region/District: _____

GPS/Geographical Coordinates: _____

- b. Approximate location of the proposed Point of Connection and Voltage Level. (i.e., specify transmission facility connection point name, voltage level, and the location of connection);

Point of Connection: _____

Voltage Level: _____

Location: _____

- c. Provide the following dates by day, month, and year for Generation Facility (dates must be sequential);

Proposed In-Service Date (first date transmission is needed to the facility) _____

Proposed Trial Operation Date: _____

Proposed Commercial Operation Date: _____

Proposed Term of Service (years): _____

- d. Maximum net megawatt electrical Demand Facility;

Maximum net megawatt Demand (MW): _____

OR

Net Megawatt increase (MW): _____

- e. Provide the following Facility System Data:
 - a. Load Projection for the next five (5) years in **a table** and attached load build up curve
 - b. Annual Load Factor
 - c. Power Factor
 - d. Special Requirement (e.g Quality of Supply)
 - e. Other information to enable GRIDCo provide Applicant with an appropriate supply
 - f. The electrical diagrams and connection point drawings of the Grid Participant System and the Connection Point. The diagrams and drawings shall indicate the quantities, ratings and operating parameters of the following:
 - i. Equipment (e.g. transformers, circuit breakers, motors and drives, etc);
 - ii. Electrical circuits (e.g. Overhead lines and underground cables);
 - iii. Substation bus arrangements;
 - iv. Grounding arrangements;
 - v. Phasing arrangements;
 - vi. Switching facilities.
 - g. If Grid Participant system has embedded generating plants, the short circuit contribution of the embedded generating plants shall be provided by the Distribution Utility or Bulk Supply customer. The short circuit currents shall be calculated in accordance with the IEC Standards or their equivalent national standards.
 - h. Brief description of how the Facility would be connected to the NITS.

9 Site Information

- a. Site drawing to scale, showing Facility and line route from BSP (for supply from existing BSP).
- b. Single-line diagram showing applicable equipment of Facility.

SCHEDULE C

Terms and Conditions

1. The Applicant shall abide by the Electricity Transmission (Technical, Operational and Standards of Performance) Rules, 2008 (LI 1934), the Electricity Regulations, 2008 (LI 1937) and the National Electricity Grid Code, 2009.
2. The Applicant shall submit:
 - a. Duly filled NITS Connection Application Form, including all technical details and drawings, project schedule for construction and commissioning,
 - b. Power Purchase Agreements,
 - c. Grid Interconnection Feasibility Study Report,
 - d. Date of commencement and duration for which open access is required.
3. GRIDCo shall carry out Grid Impact Studies (GIS) to evaluate the impact of the proposed development on the NITS. The studies will also determine whether the proposed Grid Participant's project is technically feasible and whether the project will require any system reinforcement.

These studies shall be conducted for the time frame for which open access is required taking into consideration demand and supply scenarios.

A draft report of the Grid Impact studies will be submitted to the applicant within thirty (30) days of receipt of the completed application. The report will indicate either conditional/unconditional approval or disapproval with reasons. After receiving the Applicant's feedback on the draft report, GRIDCo will produce the final GIS report within twenty (20) days after receipt of feedback.
4. If open access can be granted without system reinforcement (as will be indicated in the GIS report), a Connection MOU shall be signed with GRIDCo.
5. The Applicant shall submit to GRIDCo within 30 days after signing the Connection MOU detailed Planning Data pertaining to the connection proposal as specified in the Planning Sub-Code of the Grid Code.
6. The Applicant may anytime thereafter commence construction of the facility.
7. The Applicant shall negotiate and execute a Transmission Service Agreement (TSA) with GRIDCo. This Agreement shall, however, only come into force after the

satisfactory construction and commissioning of the facility and issuance of a “Certificate of Approval to Connect” by GRIDCo.

8. The Applicants may indicate whether it wishes GRIDCo to undertake additional technical studies and shall bear the cost of the additional technical studies.
9. The Applicant shall comply with the provisions of the Grid Code and Market rules in force from time to time.
10. The Applicant undertakes to provide reliable and efficient speech and data communication system to facilitate necessary communication, data exchange and supervisory control of the grid.
11. The Applicant shall indemnify GRIDCo for any loss or damage arising as a result of the study conducted by them.
12. The Applicant shall not transfer rights and obligations specified in the TSA without prior approval by GRIDCo and shall be subject to payment of penalty as determined by the EC and GRIDCo.
13. The Applicant agrees that GRIDCo reserves the right to amend the above terms and conditions within the regulatory framework.

10 Confirmation of Acceptance of Terms and Conditions

The Connection Applicant hereby confirms its understanding and acceptance of the terms and conditions herein and by signing and submitting this application agrees to comply with the guidelines issued by GRIDCo for connection to the NITS. The Connection Applicant further certifies that all data/information provided in this application, schedules and attachments are true and accurate.

Signatory: _____

Name: _____

Designation: _____

Place: _____

Date: _____