



GREENHOUSE POWER LIMITED COMPANY

Tel: 0243310262 / 0265548581

The Executive Secretary
Energy Commission
Accra

25th September, 2024
GPLC/EC/24/02

Dear Sir,

APPLICATION FOR ELECTRICITY RETAIL SALE OPERATIONAL LICENSE

Following the acquisition of the Electricity Retail Sale Project Registration Certificate (Reg. No.: **EC/REG-ERS/06-24-001**) from the Energy Commission, we would now like to apply for the acquisition of the Operational License.

Please find attached for your attention and consideration, one (1) hardcopy and a softcopy of the following:

1. Exhibit S8 – Operational Experience Expertise (CVs) of key personnel.
2. Exhibit S9 – Public Notice.
3. Exhibit S10 – Revenue Management Strategy.
4. Exhibit S11 – Financial Capability.
5. Exhibit S12 – Signed Power Purchase & Sale Agreement with ECG.
6. Exhibit S14 – Receipt of Initial License Fee Payment.

Thanking you in anticipation.

Yours faithfully

Jonathan Aryee
Managing Director

EXHIBIT S8

EXHIBIT S8 – OPERATIONAL EXPERIENCE & EXPERTISE (CVS) OF KEY MANAGEMENT PERSONNEL

The overall management of Greenhouse Power Limited Company (GPLC)'s electricity retail sale operations within its industrial park concession will be handled in-house by a competent and experienced GPLC's management team.

However, pursuant to Article 2.8 of the Energy Commission's Guidelines for the Development of Private Electricity Distribution Networks for Electricity Retail Services, GPLC is obliged to vest and handover the operation and maintenance services of the distribution network within its leased concession to the Electricity Company of Ghana Limited (ECG). Accordingly, GPLC shall sign an agreement with ECG for the performance of the operation and maintenance services.

Below is the operational experience and expertise (CVs) of GPLC's key management team:

1. Jonathan Amo Aryee, Managing Director

- ✦ Mba Finance University of Ghana, Legon
- ✦ MSc Industrial Mathematics - KNUST
- ✦ BSc Electrical & Electronics Engineering - KNUST
- ✦ Work experience in Plant & Equipment Maintenance – Electrical Engineer at Nestle Ghana Limited, Tema
- ✦ Work experience in Maintenance of Electric Motors and Equipment - Regional Electrical Engineer at GWCL, Takoradi
- ✦ Work experience in Operation & Maintenance of Industrial Machines - Plant Engineer, Nexans Kabelmetal, Tema
- ✦ Work experience in Technical Specifications of Cables & Conductors - Electrical Engineer at Reroy Cables, Tema
- ✦ Former member of the Electromechanical Committee for Ghana Standards Authority

2. Charles Hayford Yakah, Director/Engineering & Operations

- ✦ BSc degree (Hons) in Electrical & Electronics Engineering from Kwame Nkrumah University of Science & Technology (KNUST), Kumasi, Ghana
- ✦ Certificate in Engineering and Management Efficiency Improvements in Electrical Power Distribution Networks – Virginia-Tech Advanced Research Institute, Arlington, Virginia, USA
- ✦ Certificate in Power Distribution Engineering and Operation & Maintenance of Substation Facilities – A counterpart training programme by Japan International Cooperation Agency (JICA), Tokyo, Japan

- ✚ Certificate in Electrical Distribution Construction & Maintenance – Electricity Supply Board International (ESBI), Dublin, Ireland
- ✚ Certificate in Power Distribution Project Financing & Accounting Systems – Central Institute for Rural Electrification (CIRE), Hyderabad, India under ITEC/SCAAP.
- ✚ Certificate in Engineering Economics & Finance – Acres International, Canada
- ✚ Senior Professional Engineer (SPE) of the Ghana Institution of Engineering (GhIE)
- ✚ Over 29 years of demonstrable experience in Engineering Planning, Design & Construction, and Management of Power Distribution Network Operations
- ✚ Over 25 years' experience in Electrical Engineering Consultancy services, Contract Administration & Management of Electricity Distribution Projects
- ✚ Over 18 years of Electricity Distribution Work Experience with the Electricity Company of Ghana Limited, a leading Power Distribution Company in Ghana.

Training/Course/Seminar/Workshop Attended:

- Business Planning – by Prime Associates, Accra (February 9 to February 11, 1994).
- Network Planning, Design & Construction – by Electricity Supply Board International (ESBI), Dublin, Ireland (June 12 to June 22, 1995).
- Site Safety & Quality Audits – by Electricity Supply Board International (ESBI), Dublin, Ireland (December 4 to December 8, 1995).
- Project Management Procedures – by Electricity Supply Board International (ESBI), Dublin, Ireland (December 11 to December 15, 1995).
- Technical Report Writing – by Project Management Consultants Limited, Accra, Ghana (May 27 to May 1998).
- Project Planning & Management – by Project Management Consultants, Accra, Ghana (June 1999)
- Contract Administration & Management – by Ghana Institution of Engineers (GhIE), Accra, Ghana (June 11 to June 12, 2003).
- Effective Earthing & Lightning Protection – by Thundersafe Engineering Consultants, Accra, Ghana (October 24 to October 27, 2006)
- Substation Design & Construction - by Multilec Engineering & Construction Limited, Accra, Ghana.
- Power System Protection Coordination & Application Planning – by Jacobsen Electro As, Norway (April 24 to May 12, 2006).
- Best Practices in Medium Voltage, High Voltage & Extra High Voltage Substation Design Workshop – by SYNCOM Business Intelligence, Rep. of South Africa (August 16 to August 19, 2010).

Employment Record:

From	To	Employer	Position Held
2023	Present	Greenhouse Power Limited Company	Director/Engineering & Operations
2020	2023	Integrated Services Equipment Inc - Monrovia, Liberia	Director of operations
2016	2020	Expert Design Limited	Consultant Electrical Engineer
2012	2016	Sintrel Company Limited	Managing Director
2009	2012	Electricity Company of Ghana (ECG)	Manger/Sub-Transmission Projects
2007	2010	Electricity Company of Ghana (ECG)	Senior Electrical Engineer/Urban Projects
2002	2007	Electricity Company of Ghana (ECG)	Senior Electrical Engineer/Rural Projects
1998	2002	Electricity Company of Ghana (ECG)	Electrical Engineer/Rural Projects
1994	1998	Electricity Company of Ghana (ECG)	Assistant Electrical Engineer/Rural Projects
1993	1994	Northern Electricity Distribution Company (NEDCo)	National Service Engineer

3. Abdul-Nasir Yusif, Director/Finance & Administration

- ✦ Executive Master of Business Administration, (Project Management), June, 2014, University of Ghana, Legon.
- ✦ Bachelor of Science (degree) in Administration (Accounting), June, 1996 University of Ghana, Legon
- ✦ Member, Institute of Chartered Accountants, Ghana (ICAG), November 2005
- ✦ International Certificate in Banking Risk and Regulation (ICBRR), August 2013
- ✦ ACI (Financial Market Association) bank dealing certificate (distinction), May 2015
- ✦ Certificate of completion: Enterprise Risk Management master class, February 2016
- ✦ Finance advisor on GTZ, EU and other partners' project namely Ghana Skills Development Initiative (Phases 3 and 4) for 13 months between July 2019 and March 2021
- ✦ May 1, 2012 – December 29, 2017 Market Risk Manager Ecobank Ghana/Awa Cluster
- ✦ February 1, 2008 – March 31, 2012 Country Treasurer, Ecobank Rwanda Sa
- ✦ October 1, 2007 – January 31, 2008 Foreign Exchange Trader, Ecobank Ghana Ltd.
- ✦ December 23, 1999 – December 28, 2000 Cost Accounts Manager, Phyto-Riker (Gihoc) Pharmaceutical Ltd.

EXHIBIT S9

GREENHOUSE POWER LIMITED COMPANY

PUBLIC NOTICE

Greenhouse Power Limited Company (GPLC) is a private limited company with a registered office address: GK-0239-3261, Philipkope, Shai Hills in the Shai Osudoku district of the Greater Accra Region and a postal address - P. O. Box CO 2828, Tema.

GPLC has made an application to the Energy Commission for grant of Electricity Retail Sale License under Section 13 of the Energy Commission Act, 1997 (Act 541).

GPLC wishes to state that neither GPLC nor any of its directors, or partners, or associates, or promoters has ever been:

- a) Declared insolvent
- b) Refused license by the Energy Commission
- c) Issued with a license that has been cancelled by the Energy Commission
- d) Found guilty of non-compliance of any of the provisions of the Act or the rules or the regulations made thereunder or an order made by the appropriate legal entity.

The complete application and other relevant documents filed before the Energy Commission are readily available at the office of GPLC for inspection by any member of the public, or the documents can be easily accessed at the GPLC's official website: www.greenhousepowergh.com.

The public is hereby informed that objections or suggestions, if any, be filed before the Energy Commission, with a copy of the objections or suggestions to GPLC, **within 30 calendar** days of the publication of this notice.

For any further information and/or clarifications, please contact GPLC on:
(+233) 243 310 262 / (+233) 265 548 851

SIGNED
MANAGING DIRECTOR
GREENHOUSE POWER LIMITED COMPANY

EXHIBIT S10

EXHIBIT S10 – REVENUE MANAGEMENT STRATEGY

Greenhouse Power Limited Company (GPLC) views revenue realization and collection assurance as key drivers to the success of its electricity retail sale business operations within its industrial park concession. To achieve this, GPLC intends to implement a revenue management strategy aimed at boosting revenue generation and ensuring collection assurance.

The following gives a broad outline of the revenue management implementation strategy;

1. Expand coverage i.e. expand supply and access to electricity through a rigorous distribution network expansion programme.
2. Ensure security, reliability and quality of power supply to customers through the establishment of a dedicated 60MVA 161/11kV Bulk Supply Point (BSP).
3. Establish an efficient and effective metering and billing system – (i) through the deployment of smart meters with anti-theft features and (ii) adoption of smart Automated Meter Reading (AMR) and billing technology that automatically collect consumption, diagnostic and status data from customers' meters and then transfers this to a central database for billing, troubleshooting and analysis.
4. Establish an electronic payment system to facilitate the payment of electricity bills and other related services.
5. Revenue assurance through regular energy accounting and audit to ensure that every unit of electricity sold is accounted for.
6. Technical losses minimization through the deployment of strictly high voltage distribution systems (HVDS) typically with bulk LV and HV metering systems.
7. Excellent customer service and demand side management to ensure customer satisfaction and the productive use of electricity.
8. Provide an economic and competitive tariff structure to promote and enhance the industrialization agenda for the park.
9. Efficient management of foreign exchange risk through the adoption of a pricing mechanism that will mitigate the impact of any anticipated forex losses.

EXHIBIT S11

EXHIBIT S11 – FINANCIAL CAPABILITY

Greenhouse Power Limited Company (GPLC) is a subsidiary of Greenhouse International Development Ghana Limited (GIDGL). GPLC was established to perform electricity distribution and retail sale services within the industrial park owned by GIDGL. It is therefore imperative to state that funding for GPLC's start-up operations and capital investments would be provided by GIDGL. Thus, GIDGL will serve as the financial backbone of GPLC's initial business operations financing.

To demonstrate GPLC's financial capability to perform its electricity retail sale business operations, GPLC in collaboration with GIDGL have secured financing to the tune of Fifteen (15) Million US Dollars to be invested in its operations.

In furtherance of the above objective, GPLC has commenced with the construction of a dedicated 60MVA, 161/11kV Bulk Supply Point (BSP) within the industrial enclave for the purpose of providing quality, reliable and competitive electricity distribution and retail sale services to industrial tenants within the enclave. This project which is valued at an estimated cost of Ten (10) Million US Dollars is expected to be completed and commissioned by the end of November 2024.

Furthermore, GIDGL/GPLC in the past years have together invested over One (1) Million US Dollars in the development of electricity distribution infrastructure to provide electricity supply to a number of factories that are currently operating within the industrial enclave.

Currently, plans are far advanced toward the expansion of the distribution network to cover other areas within the enclave where industrial developments are currently ongoing. And procurement of materials and transformers for the execution of these expansion works is currently underway.

Also, studies to determine metering requirements and appropriate metering technologies to be adopted have been completed and funding secured. Therefore, procurement of smart meters and Automated Meter Reading (AMR) and billing technologies shall commence upon receipt of the electricity retail sale operational license from Energy Commission.

To show further proof of GPLC's access to funding for its electricity retail operations, a Letter of Comfort obtained from its bankers, Stanbic Bank in support of financing is attached for consideration.

EXHIBIT S12

SIGNED POWER PURCHASE & SALE AGREEMENT

Greenhouse Power Limited Company (GPLC) has reached an agreement with the Electricity Company of Ghana Limited (ECG) as follows:

ECG shall supply and deliver bulk electrical energy to GPLC and GPLC shall receive and purchase one hundred percent (100%) of the net energy produced and delivered by ECG to the delivery point on the terms and conditions to be established by the Power Purchase Agreement (PPA).

EXHIBIT S14

RECEIPT OF INITIAL LICENSE FEE PAYMENT



Accra Branch - LIVE

30/05/2023

TRANSACTION REF.

TT/23150/00287

TELLER

0063 OKAIHE

CASH DEPOSIT SLIP

THE FOLLOWING CASH DEPOSIT HAS BEEN CREDITED TO YOUR GHS

ACCOUNT NUMBER 1018831451017 VALUED 30/05/23

ACCOUNT NAME FUND AC ENERGY FUND

AMT DEPOSITED: GHS 110,000.00

NARRATION: APPLICATION FEES (ELECTRICITY SA
SERVICES) ENERGY COMMISSION

NAME OF DEPOSITOR: JONATHAN ARYEE

GREEN HOUSE POWER LIMITED
COMPANY

Denomination(s) Deposited

DENOMINATION	UNITS	VALUE
GHS.200	500	100,000.00
GHS.100	100	10,000.00
TOTAL		110,000.00

Depositor's Signature

Phone Number:

Teller's Stamp & Signature

Note: 1. Please ensure that the above information is correct as the Bank will not be liable for any errors
2. This deposit slip is only valid when stamped and signed by an authorised official of the Bank.