

ELECTRICITY CONTROL BOARD

**REVIEW: STAKEHOLDER WORKSHOP  
LICENCE CONDITIONS AND FORMS FOR SIMPLIFIED GENERATION PROJECTS  
AVANI WINDHOEK HOTEL & CASINO**

**10 FEBRUARY 2026**

# Overview

- **Introduction**
- **Scope of Work**
- **Recap – Gap Analysis and Recommendations Report**
- **Simplified Generation Project Licence Conditions**
- **Simplified Generation Project Licence Application Forms**
- **Discussions/Questions**
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# Introduction



# Developing Licence Conditions and Forms for Simplified Gx Projects

## ➤ **Background:**

- Need identification by ECB
- Investor interest for embedded Gx projects up to 2 MW
- Inclusive of solar rooftop systems and pilot projects (especially for green hydrogen) with emerging technologies
- Current standard licence conditions for large Gx projects not appropriate/conducive for these projects
- Need for appropriate streamlined & simplified licence conditions conducive to investment and operation under a suitable regulatory framework without unnecessary barriers to entry

# Recap of Highlights: Gap Analysis and Recommendations Report

- **Definitions**
- **Recommendations**
- **Categories of Simplified Gx Projects**

# Recap: Recommendations from Report

- As regards **maximum installed capacity** for simplified generation projects, (*originally*) an overarching maximum cap of 2% of total installed and operational licensed generation capacity on the national grid – changed now to a specific capacity (i.e.  $\leq 2\text{MW}/5\text{MW}$ )
- The determination of the **duration of licences** is influenced by numerous factors. It is recommended that the duration for simplified generation projects be determined by applying the standard criteria usually applied by the ECB with the applicant proposing and motivating its desired duration
- Grant funding and subsidies
- Promotion and facilitation of new technologies but ultimately the regulatory environment, as per the National Energy Policy, remains technology neutral

# Recap: Recommendations from Report

- Tariffs, regulatory levies and surcharges:
  - Simplified generation projects **for own consumption**, in a reseller scenario or where there is a willing-buyer-willing-seller scenario, do not need a schedule of approved tariffs meaning that detailed financial regulation and oversight are not necessary or can be simplified
  - Where tariff regulation is required as tariffs **impact on customers and other operators**, an approved schedule of tariffs is required, and the same tariff methodology applies as applied generally in Namibia;
  - Regulatory levies and surcharges are imposed under relevant laws, and it is recommended that **these levies and surcharges be imposed on the customer of/person supplied with electricity** by the simplified generation project similar to all other electricity licensees and customers
- Pilot and demonstration projects

# Recap: Recommendations from Report

- Simplified Gx project connecting to the grid to comply with the relevant rules, codes and connection licensee's requirements. Economic and tariff regulation to be treated according to impact on customers of the simplified Gx projects, customers in general and connecting licensees financially impacted by such projects
- **Monitoring and reporting** requirements
- **Identity of applicant:** the person who will operate the project must be the applicant and licence to be issued in the name of that person
- Simplified Gx projects to **comply with all applicable environmental, health and safety** requirements
- Simplified Gx projects to comply with the same **decommissioning** requirements as all other electricity projects

# Recap: Recommendations from Report

- **Application procedures** of the Electricity Act are **compulsory** and must be complied with this includes the advertising of generation projects and invitation for objections
- **Licence fees** can be **decreased** for simplified generation projects (amendment of Administrative Regulations) including addition of relevant definitions
- **Surcharges and levies** will remain **compulsory**
- Licence **conditions and application** forms be **simplified**
- A recommended set of **guidelines for simplified generation** projects will facilitate understanding and ease of doing business;

# Categories of Simplified Generation Projects

<input type="checkbox"/>	1. Off-grid -- own consumption $\geq 500\text{kVA}$	C
<input type="checkbox"/>	2. On-grid -- own consumption $\geq 500\text{kVA}$	C
<input type="checkbox"/>	3. Generation for to resell under the Reseller Rules $\leq 2\text{MW}$	C
<input type="checkbox"/>	4. Standby generation for resale under the Reseller Rules (limited to nearest standard capacity that can replace the normal supply capacity)	C
<input type="checkbox"/>	5. Standby generation over 500kVA for own consumption (limited to nearest standard capacity that can replace the normal supply capacity)	C
<input type="checkbox"/>	6. Third-party owned rooftop systems for provision to a single end user per site outside a reseller context (supply to multiple users at one generating site considered to be reseller context)	C
<input type="checkbox"/>	7. Off-grid for supply to third parties under a distribution and supply licence $\leq 2\text{MW}$	C
<input type="checkbox"/>	8. Pilot or demonstration project for new / modified generation technology with capacity of $\leq 5\text{MW}$	C
<input type="checkbox"/>	9. Small eligible generator supplying on-grid or off-grid on a willing-buyer-willing-seller basis to a single end-consumer ( $\leq 2\text{MW}$ installed capacity)	C
<input type="checkbox"/>	10. Any other qualifying simplified generation type or class (provide separate request with motivation letter why the activity should be	C

# Revised Simplified Gx Project Licence Conditions

## Contents of Licence Conditions

- Common Conditions
- Specific Licence Conditions
- Schedule of Particulars
- Schedule of Approved Tariffs
- Schedule of Technical and Performance Parameters

# Structure of Licence and Conditions

- The actual certified licence (a single page certificate/authorisation issued, signed and stamped in original by the Regulator)
- The Common Conditions that are relevant to all simplified generation project licences
- The Specific Conditions that are specific to a simplified generation project Licensee
- The Schedule of Particulars to provide the specific simplified generation project Licensee's information
- The Schedule of Approved Tariffs
- The Schedule of Technical and Performance Parameters

# Simplified Gx Project Licence Conditions

## Common Conditions

- Issue of licence
- Definitions
  - Commercial operation
  - Embedded generation
  - Facility
  - Operator of simplified generation facility
  - Own consumption
- Term of licence and impact of commercial operation

# Simplified Gx Project Licence Conditions

## Common Conditions (continued)

- Duty to submit information (see also A9)
- Transfer, amendment & renewal of licence
- Cancellation and suspension
- Tariffs (if applicable)
- Register of assets and inspections
- MSB Market (if applicable)
- Electricity agreements
- Compliance requirements re facility, personnel, standards


# Simplified Gx Project Licence Conditions

## Common Conditions (continued)

- Decommissioning
- Suspension/termination of licensed activities
- Licence, levies and surcharges

## Specific Licence Conditions

- Financial information & records
- Funding/grant sources
- Energy production statistics
- Verification of data
- Commercial operation
- Capital cost

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- Schedule of Particulars
  - Schedule of Approved Tariffs
  - Schedule of Technical and Performance Parameters

# Applicable Application Forms

Form Name <sup>a</sup>	Licence Type <sup>a</sup>	Generation <sup>a</sup>	Simplified GX <sup>a</sup>
Particulars of Applicant <sup>a</sup>		Form A <sup>a</sup>	Form ASGX <sup>a</sup>
Corporate Governance <sup>a</sup>		Form A-CG <sup>a</sup>	
Particulars of Licence Application <sup>a</sup>		Form B <sup>a</sup>	Form BSGX <sup>a</sup>
Financial Information <sup>a</sup>		Form CG <sup>a</sup>	
Market Information <sup>a</sup>		Form CGX-MI <sup>a</sup>	Form CSGX-MI <sup>a</sup>
Tariff Information <sup>a</sup>			
Technical Information <sup>a</sup>		Form DG <sup>a</sup>	Form DSGX <sup>a</sup>
TPP Solar PV <sup>a</sup>		Form DGX-PV <sup>a</sup>	Form DSGX-PV <sup>a</sup>
TPP Wind <sup>a</sup>		Form DGX-W <sup>a</sup>	Form DSGX-W <sup>a</sup>
TPP Solid Fuels <sup>a</sup>		Form DGX-SF <sup>a</sup>	Form DSGX-SF <sup>a</sup>
TPP CSP <sup>a</sup>		Form DGX-CS P <sup>a</sup>	Form DSGX-CSP <sup>a</sup>
TPP Hydro <sup>a</sup>		Form DGX-H <sup>a</sup>	Form DSGX-H <sup>a</sup>
TPP Gas <sup>a</sup>		Form DGX-G <sup>a</sup>	Form DSGX-G <sup>a</sup>
TPP Geo-Thermal <sup>a</sup>		Form DGX-GT <sup>a</sup>	Form DSGX-GT <sup>a</sup>
TPP Liquid Fuel <sup>a</sup>		Form DGX-LF <sup>a</sup>	Form DSGX-LF <sup>a</sup>
TPP Substations <sup>a</sup>			
TPP Lines <sup>a</sup>			
TPP Supply Points <sup>a</sup>			
TPP Metering Points <sup>a</sup>			
Development Plan <sup>a</sup>		Form EGX-DP <sup>a</sup>	Form ESGX-DP <sup>a</sup>
Agreements Structure <sup>a</sup>		Form EGX-AS <sup>a</sup>	
O&M & Decommissioning <sup>a</sup>		Form GGX-Q M <sup>a</sup>	

# The Way Forward

- Simplified Gx Project Application Guidelines
- Amendments to Electricity Administrative Regulations
- Stakeholder Consultation and Input



**THANK YOU FOR YOUR CONTRIBUTIONS!**