

**Electricity Licensing, Compliance &  
Dispute Resolutions Department**

**DISTRIBUTION LICENSING:  
APPLICATION FORM**

**APPLICANT NAME:** Eskom Holdings Limited

**REPRESENTATIVE NAME:** Bandile Jack

**DESIGNATION:** General Manager - Gauteng Cluster

**SIGNATURE:** *B Jack*

**DATE:** 07-04-2025

Supported: Vusani Phalanndwa   
Acting: Senior Manager Asset Creation

07/04/2025

## **1 INTRODUCTION**

- 1.1 Electricity Licensing, Compliance and Dispute Resolution department (ELC) is within the Electricity Regulation Division. One of the core functions of the ELC department is to issue new licences, amend licence conditions and revoke licences in terms of sections 7, 16 and 17 respectively, of the Electricity Regulation Act, 2006 (Act No. 4 of 2006) (“the Act”).
- 1.2 In terms of Section 7 of the Act, Activities requiring licensing, no person may without a licence issued by the Energy Regulator, operate any generation, transmission, or distribution facility, import, or export any electricity, or be involved in trading.
- 1.3 In terms of section 16 of the Act, Amendment of Licence, the Regulator may vary, suspend, or remove any licence condition, or may include additional conditions.
- 1.4 In terms of section 17 of the Act, Revocation of licence on application, the Regulator may revoke a licence on the application of a licensee.

## **2 PARTICULARS OF APPLICANT**

The purpose of this document is intended to identify and obtain all information arising from the applications received by NERSA for new licence, licence transfer, revocation, or amendment. You may find that the information and data requested are slightly different from your normal practices and procedures and your data and information recording methods.

2.1 Full name of the applicant:

- Eskom Holdings Limited

2.2 Address of the applicant and in case the applicant is a body corporate, the registered head office must be provided:

- Megawatt Park, Maxwell Drive, Sunninghill, Sandton

2.3 Telephone number of the applicant:

- 086 003 7566

2.4 Fax number of the applicant:

- + 27 800 4299

2.5 Contact details of the responsible/authorised person:

Name: Bandile Jack  
Telephone Number: +27 11 800 2311  
Fax Number: +27 86 667 8951  
Email: JackB@eskom.co.za

### 3 TYPE OF APPLICATION(S) APPLIED FOR

Tick	Description
X	New Licence
	Amendment (Include / Exclude)
	Revocation
<b>DECISION DOCUMENTS (to be attached)</b>	
Tick	Description
	Council/Executive Management Decision i.e Council Resolution
	Consent Letter(s) for Transfers

**Note:** Consent Letter and Council Resolution must be attached.

## **4 TECHNICAL ASSESSMENT AND INSPECTION IN-LOCO**

The National Energy Regulator of South Africa (NERSA or 'the Energy Regulator') regulates the energy industry in accordance with the Electricity Regulation Act, 2006 (Act No. 4 of 2006), issued licences, rules, standards, and international best practices in support of sustainable development. The organisation issues licences to electricity distributors. When licence amendment applications are received, NERSA must conduct an inspection in loco of the area to confirm the information supplied to enable NERSA to make a sound decision on the application submitted.

4.1 Provide a full description of the electricity department's structure.

- 1 x Senior Supervisor,
- 1xCNC Technician
- 8 x Principal Technical Officials,
- 0 x Senior Technical Officials,
- 3 x Technical Officials,
- Senior Store Person
- 1 x Works Coordinator,
- 1 x Senior Clerk

4.2 How many vacancies in structure? State your plans and timeframes to fill.

- 1 x PTO, GA13 has been submitted to M bands for approval.
- 1 x Technical Officials, Candidates list received from HR
- 1 x Senior Storeperson, GA13 has been submitted to M bands for approval
- 1x Senior Clerk, GA13 submitted to M bands

4.3 List equipment, instrumentations, machinery including vehicles that you have and are necessary for the operation and maintenance (O&M) of the electricity network.

- 1 x Truck with mounted crane
- 1 x Live Work Truck – Three team members under Benoni Sector
- 1 x Cherry picker trucks
- 11 x LDV's
- 1x Sedan
- Various electrical test instruments -Multimeter and clipon meters
- Telescopic link sticks, portable earthing equipment
- Live Work equipment- For Benoni Sector

4.4 How many bulk supply intake points do/will you have for each area applied for?

Area name(s)	Number of supply points
Windmill Park Development	5

4.5 Provide details of how the area(s) applied for will be serviced:

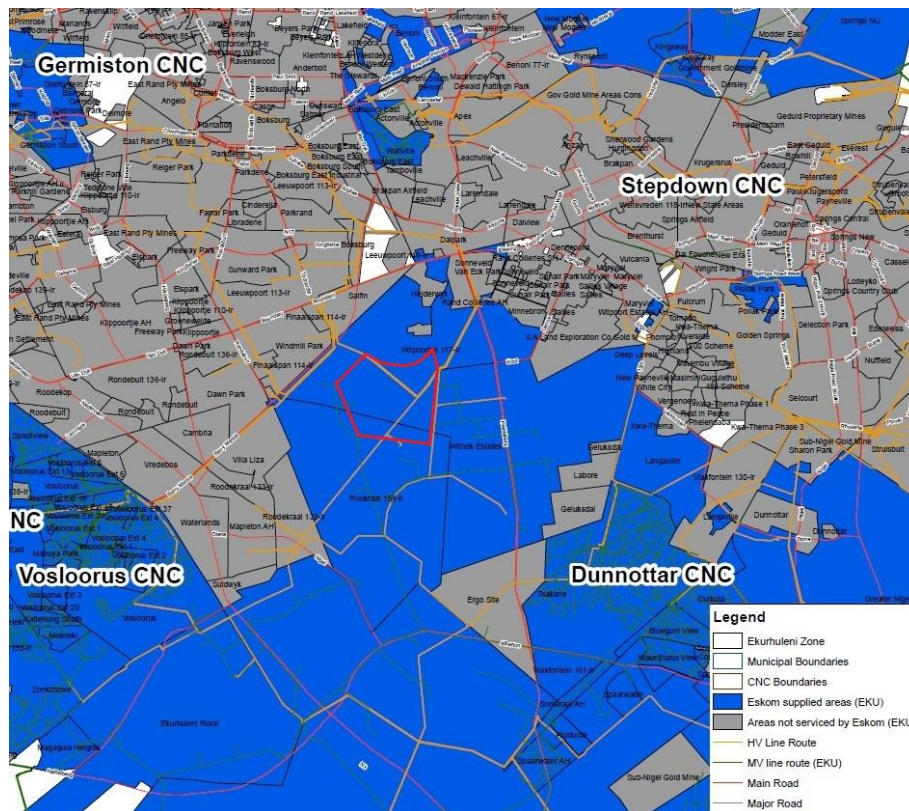
Name of **Area 1** applied for:

- Windmill Park Development

Description of area (urban or rural area, distance and direction from nearest town)

- Rural, 2km Southeast from urban area.

## GIS Polygon (location) of the area



## Supplier substation name and ownership

- Proposed new 88/11kV Substation (Eskom owned) – name to be allocated in future, subject to approvals.

## Installed capacity (in MVA)

- 80 MVA (2x 40MVA)

## Load maximum demand (in MW)

- 24.54 MW (Estimated)

## Envisaged load energy demand (in GWh)

- 0.006 GWh **average** (per annum) - estimated

## Distance from the point of supply to the customers

- less than 2km

## Type of connections (underground, overhead, etc.)

- Overhead and underground

4.6 What type of customers per area are being applied for?

Customer type	No. of customer in Area 1
Domestic (Households)	11 000
Commercial (Business)	N/A
Light Industrial	N/A
Heavy Industrial	N/A

4.7 List (or attach a **List of**) all current areas you supply excluding the area(s) you applied for:

- Please refer to the supporting documents for the City of Ekurhuleni Supply Areas.

4.8 What percentage (%) are your total network losses (Technical and Non-Technical) as per NRS 080?

Technical Losses (i.e. system losses) in %	10%
Non-Technical Losses (i.e. unaccounted energy) in %	9.91%
Energy for Own use not metered in % (e.g. for streetlights, pump station, municipal buildings etc.)	5%
Data is for the proposed 88/11kV substation and supplying lines *Average values for 2019-2022	

4.9 Describe the financial implications (Budget, Costs, INEP or Funding granted etc.) for the area(s) applied for.

- There are no financial implications; the developer will be funding the project.

4.10 Are you providing any of your existing customers (e.g. indigent customers) with **Free Basic Electricity (FBE)** each month? If not, why? If yes, how many kWh per month?

- Yes, 50kWh per month

4.11 Are payments to your bulk supplier (i.e. Eskom) up to date? **Provide a copy of your last Eskom account.**

- N/A

- Have you ever exceeded your Notified Maximum Demand (NMD) or incurred penalties on exceeding NMD previously? **No**
- N/A

4.12 How is the tariff increase communicated to the customers? **Provide a copy of a public booklet/pamphlet that indicates a list of the approved tariffs.**

- The tariff increase is published on the internet using the *Tariff Booklet Final* and the *ESKOM-Connect Tariff Factsheet -2024-25 Final* (attached). The *Connect Brochure* is also attached to the customer's bill and distributed to customers at the Eskom Hubs.

4.13 Are there any Demand Side Management (DSM) strategies developed by the municipality? If yes, describe the key points of the strategy.

Yes, the following are applicable

- Energy advisory service
- Load profile optimisation
- The electric boiler incentive program
- Tax allowance and grants for energy efficient projects
- Demand response
- Agricultural processing

***Actual Asset Maintenance Practices:***

4.14 State your Annual Operational and Maintenance cost for the current network (excluding the area(s) you applied for):

Total budget required for HV Network, substation, MV network and LV network is shown below:



## Preventative and Breakdown Maintenance:

### STEPDOWN CNC OPERATING COSTS

CC 513103 (EB AND OPEX COSTS)

Periods	Act. Costs	Plan Costs	Var.(Abs.)
24-Feb	R2 200 468.44	R1 407 219.17	-R793 249.27
24-Mar	R1 345 849.67	R1 293 390.01	-R52 459.66
24-Apr	R1 118 250.83	R1 533 944.28	R415 693.45
24-May	R1 138 523.34	R1 506 238.76	R367 715.42
24-Jun	R1 283 969.77	R1 866 269.92	R582 300.15
24-Jul	R2 134 103.07	R1 766 486.88	-R367 616.19
24-Aug	R1 332 584.14	R1 683 491.05	R350 906.91
24-Sep	R1 667 501.19	R2 074 212.15	R406 710.96
24-Oct	R1 698 872.50	R1 564 887.90	-R133 984.60
24-Nov	R1 815 035.03	R1 769 676.06	-R45 358.97
24-Dec	R1 348 549.17	R1 967 941.07	R619 391.90
25-Jan	R1 542 339.58	R1 616 013.16	R73 673.58
<b>Total February to January</b>	<b>R18 626 046.73</b>	<b>R20 049 770.41</b>	<b>R1 423 723.68</b>

4.15 Are there any parts of the electricity network (infrastructure) (e.g. transformers, etc.) which present significant maintenance problems and present a high risk of failure?

- None

4.16 Are there any infrastructure maintenance backlogs at any of your current areas of supply? If yes, what corrective measures are being put in place?

- No backlog on maintenance currently

4.17 Is your maintenance carried out in-house (i.e. own staff) or by a sub-contractor?

- Maintenance is carried out by in-house staffs which are
  - Customer Network Centre (CNC)

V.P

- Control Plant Maintenance Department (CPM)
- Power Plant Maintenance (PPM)

**System Control:**

4.18 How many control centres and operating hours does the municipality have?

- 1x at Simmerpan – 24Hrs functionality

4.19 Are the control centres computerised or do they use a manual (e.g. 'pin-on-diagram') system?

- Computerised

4.20 Currently, how many depots do the field crews operate from?

- 1x – Stepdown CNC

4.21 How are your operators (i.e. field crew) accredited?

- *Authorised as per Standard 240-70413865 (Authorisation standard in terms of regulations for High Voltage Systems)*

4.22 Who is responsible for updating the network **Single Line Diagrams** and the **Operational Diagrams**? Provide name, designation and contact details.

- Name: Dries Botha
- Designation: Senior Supervisor – Network Data
- Contact Details: 012 421 3096

4.23 Is the Quality of Supply (QOS) being monitored as per NRS 048?

YES	NO
X	

If **yes**, how? If **no**, why not?

- By ensuring that the level to which electrical supply to a customer's facility conforms to the requirements of the facility and by use of Quality of Supply Recorders at designated stations. Also, Eskom makes sure that the voltage remains within the planning and compatibility levels

4.24 What are your typical response and restoration times (**in terms of hours**) during network interruptions (power outage)?

- Response time: 30 minutes and restoration times: 0,5 – 4 hours, depending on type of fault.

4.25 Are consumers given adequate notice of planned maintenance outages?

How many days in advance is notice given? **NB: 35days planned outages**

**Provide proof of such communiqué.**

- SMS sent to 0715284347 with description: Eskom Ref 257762416  
Eskom is aware of a fault experienced on Pole 08F04 and is attending to it. Enquiries 0860037566

## 5 OTHER INFORMATION

Is there any other information relevant to the assessment which you believe NERSA should be aware of, but did not cover in this questionnaire? List any such information below and NERSA will explore it in more detail during the inspection in loco meeting.

- None

## 6 REQUIRED DOCUMENTATION

The documents below are a vital requirement for NERSA, as they will validate the assessment of your inspection with respect to regulatory conditions and industry standards. Should you be unable to provide specific documents, please provide an explanation.

- a) The **detailed approved structure** of the electricity department indicating filled positions as well as current vacancies.
- b) A copy of the **recent account received and paid** to the bulk supplier (Eskom).

- Information is not yet available, as the customers are currently not being supplied. The substation has not been constructed.
- c) A copy of **any monthly account to a customer** that indicates the tariff charged, number of units consumed etc.
- Information is not yet available, as the customers are currently not being supplied. The substation has not been constructed.
- d) A copy of a public **booklet/pamphlet or document that communicates to customers** a list of the approved tariffs. NB: We use customer executives to communicate planned and unplanned power interruptions
- e) A copy of the **maintenance plan** for the electricity network. NB: Attached monthly schedule.

STEPDOWN CNC OUTAGE PLAN - MARCH 2025																
DAY	START TIME	END TIME	SAIDI IMPACT	W/O	EVENT ID	SUBSTATION	LINE / PANEL	Kv	WORK DESCRIPTION- SCOPE OF WORK	OUTAGE LEADER & CONTACT NUMBER	PLAN OR DEFECT CLEARING	TOTAL CUSTOMER ON FEEDER	TOTAL CUSTOMER AFFECTED	WHICH CUSTOMER AFFECTED/MUNIC's	RESPONSIBLE DEPT: T/L/E/TE/EM/DC/CL	COMMENTS
1																
2																
3																
4																
5	08:00	20:00	0.00	501-39193764	OMS-RS	SPRINGS INDUSTRIES	VLAKFONTEIN		VOSTERSKROON CNC REQUEST TO DO LIN ISOLATORS. CNC TO DO LINE WORK	Edward Maluleke	Defect Clearing	0	0	0	CNC	
6																
7																
8																
9																
10	09:00	19:00		501-36881428	OMS-RS	SPRINGS MUNIC	EAST GEDULD REFINERY	132	ISOLATOR MAINT	Pule Mlangeni	Planned Maint.	2	0		PPM	
10						EAST GEDULD REFINERY	SPRINGS MUNIC	132	B/BAR 1A VT'S		Defects				PPM	
10						EAST GEDULD REFINERY	NECRT 2	132	Repair oil leak on NECRT		Defects				PPM	
10						EAST GEDULD REFINERY	TRFR 2	6.6	Repair hot connection on breaker clamps Red & White phase		Defects				CNC	
11	09:00	16:00		501-39354705	OMS-RS	STRUBEN	BUSCOUPLER	132	Risk of Trip Protection Scheme	Sizwe Mlangeni	Planned Maint.	0	0	N/A	CPM	
12																
13	09:00	19:00		501-39207329	OMS-RS	SAPPI	BUSBAR 1A	132	VT WHITE & BLUE PHASE REPAIR	Stranger Mathebula	Defect	0	1	N/A	PPM	
13	09:15	16:00		501-39354329	OMS-RS	KWATHEMA	SUB	88	B/B Protection Schema- Risk of Trip	Edward Maluleke	Plan	1	0	N/A	CPM	
14																
15																





## SUB INSPECTION WO. - MARCH 2025

Inspections must be handed in - 24 March 2025

WO No.	Location Description	Job Plan Description
501-34765571	SAR Sundra 44kV Substation	Monthly Substation Maintenance
501-34769039	SAR Voelfontein 88kV Substation	Monthly Substation Maintenance
501-34770109	Springs Bulk 132kV Substation	Monthly Substation Maintenance
501-34767342	Springs Industries 88/22kV Substation	Monthly Substation Maintenance
501-34770055	Springs Munic 132/22kV Substation	Monthly Substation Maintenance
501-34766619	Springs Reduction 44/6.6kV Substation	Monthly Substation Maintenance
501-34765793	Steynol 44kV Substation	Monthly Substation Maintenance
501-34766895	Struben DS 132/44kV Substation	Monthly Substation Maintenance
501-34769937	Welgedacht 44/22/11kV	Monthly Substation Maintenance
501-34769089	Welgedacht Town 44/6.6kV	Monthly Substation Maintenance

501-37664816      Stepdown CNC: : SAR COWLES DAM / STRUBEN 1 44kV HV Feeder Overhead Line - 7 KM TO CLEAR DEFECTS

V.P

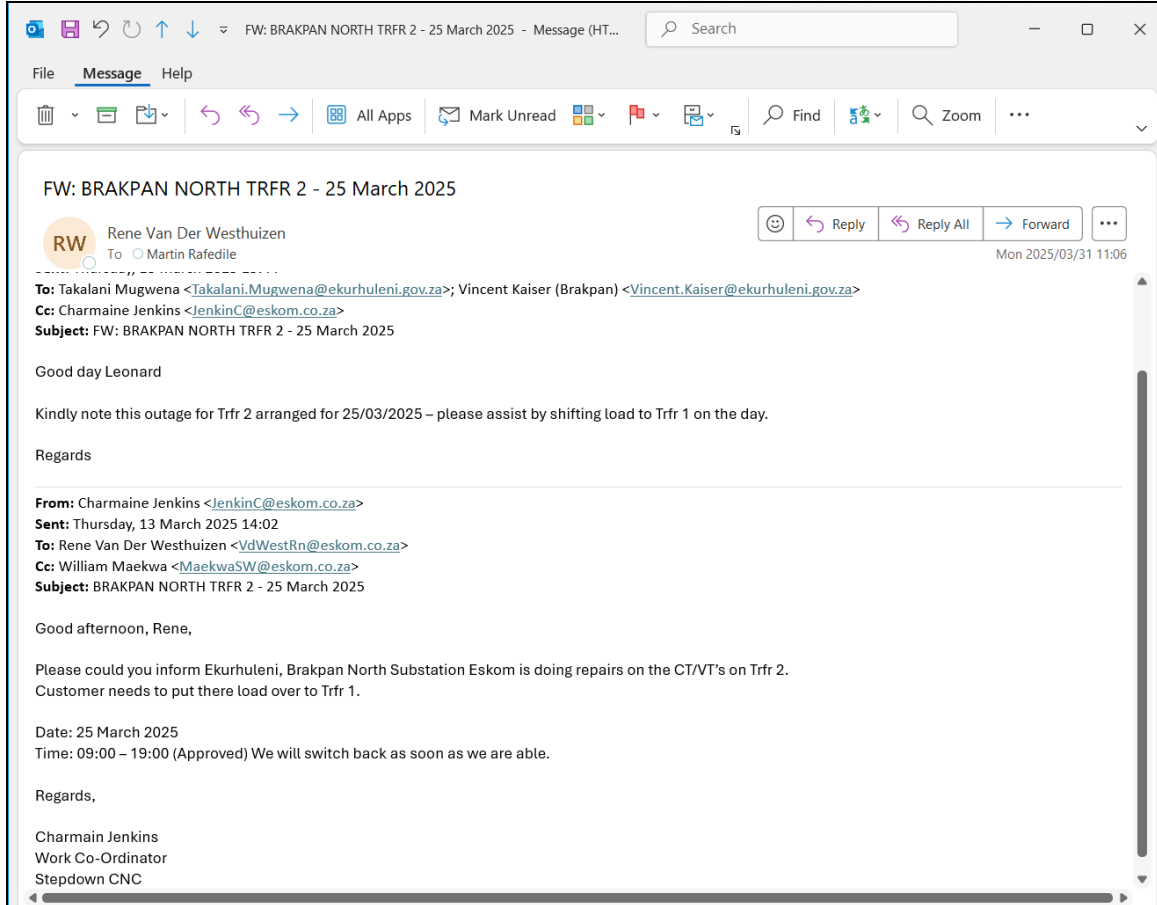
# STANDBYLIST FOR STEPDOWN CNC

## March 2025

DATE	AUTH.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DAY	EXPITY	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	
Elias Malema	27/11/2025			4	4	4	4	4	4	4								4	4	4	4	4	4	4								4	
W. Maekwa	25/11/2025	4	4								4	4	4	4	4	4	4								4	4	4	4	4	4	4		
E. Maluleke	05/05/2028	2	1								2	1	2	1	2	1	2								1	2	1	2	1	2	1		
S. Mathebula	Authorised	1	2								1	2	1	2	1	2	1								2	1	2	1	2	1	2		
E. Machaba	Under supervision	3	3								3	3	3	3	3	3	3								3	3	3	3	3	3	3		
B. Nkadameng	03/06/2025	X	X								X	X	X	X	X	X	X								X	X	X	X	X	X	X		
S. Mdluli	27/11/2025			1	2	3	1	2	3	1								2	3	1	2	3	1	2								3	
S. Mlangeni	28/08/2028			2	3	1	2	3	1	2								3	1	2	3	1	2	3								1	
P. Mlangeni				3	1	2	3	1	2	3								1	2	3	1	2	3	1								2	
JP de Lange	Under supervision			3	3	3	3	3	3	3								3	3	3	3	3	3	3								3	
Z. Ngobene	28/05/2025			X	X	X	X	X	X	X								X	X	X	X	X	X	X									X

NAME		Authorised	CELL PHONE
Sylvia Mdluli	PTO	NO	072 223 0507
William Maekwa	PTO	YES	072 415 0254
Sizwe Mlangeni	PTO	YES	083 953 3112
Blessing Nkadameng	TO	NO	073 082 2305
Edward Maluleke	PTO	YES	071 970 2512
Nonhlanhla Machaba	PTO	Under Supervision	076 447 6450
Stranger Mathebula	PTO	NO	072 467 5405
JP de Lange	PTO	Under Supervision	083 385 2846
Zacharia Ngobene	PTO		073 185 6006
Pule Mlangeni	PTO	Under Supervision	083 875 6722
E Malema - TSO Stepdown TSC			076 391 7731
Bernard Mazivila - Benoni Zone Manager			082 306 6236

- f) A copy of the **notice to customers with regard to any previous planned maintenance** outages. NB: Attached emails communicating to customers through customer executives.



- The email provides the insight on the communication between Eskom and the Ekurhuleni Municipality regarding outage.
- Information regarding the contested area is not yet available, as the customers are currently not being supplied. The substation has not been constructed.

g) A copy of the **outages recorded** for the last month.

- Information regarding the contested area is not yet available, as the customers are currently not being supplied. The substation has not been constructed.