LANGEBERG
MUNISIPALITEIT MUNICIPALITY MASIPALA

ADMINISTRATIEWE EN UITVOERENDE KANTOOR
ADMINISTRATIVE AND EXECUTIVE OFFICE
IOFISI YOLAWULO NEYESIGQEBA

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APPLICATION FOR THE REGISTRATION / CONNECTION OF ALTERNATIVE ELECTRICAL GENERATION EQUIPMENT

This application form is for all types (grid-tied, off-grid) alternative electrical generation connections to the electrical installation of residential, commercial or industrial customers.

By making application and signing this form the applicant gives consent to the processing of his/her/its personal information as reflected thereon, as understood in terms of the Protection of Personal Information Act, 2013, and to the further processing thereof internally within the Langeberg Municipality and to its contractors and service providers and its research partners, subject to the conditions of the said Act.

Please note that geysers connected to photovoltaic (PV) solar panels also need to be registered via this application form.

ENQUIRIES AND FORM SUBMISSIONS:

Electrical Services Robertson
Wolhuther Street
Muiskraalkop
Enquiries: Cobus Opperman
TEL: 023 626 8266
EMAIL: ae@langeberg.gov.za

A. PROPERTY OWNER

You, as the property owner, will need to provide the following details **(If this form is completed by any other person than the owner, the Proxy section need to be completed on page 3 of this application).**

SERVICE LOCATION		PROPERTY OWNER	
ERF NO.		TITLE	
PHYSICAL ADDRESS		FIRST NAME	
		SURNAME	
TOWNSHIP / SUBURB / FARM		MUNICIPAL RATES ACCOUNT NO.	
POSTAL CODE			

PROPERTY OWNER CONTACT DETAILS			
WORK NO.		CELLPHONE NO.	
EMAIL ADDRESS			

ALL DOCUMENTATION WILL BE SENT TO THE EMAIL ADDRESS AS LISTED ABOVE

SITE PLAN								
LATITUDE (DD MM SSS)	S		º		'		"	
LONGITUDE (DD MM SSS)	E		º		'		"	
FOR COMMERCIAL / INDUSTRIAL ONLY Attach plan showing location and dimensions of intended installation infrastructure in relation to the existing buildings and property point of connection *(Tick box if plan is attached)*								

APPLICATION TYPE *(Tick the appropriate boxes)*			
RESIDENTIAL		COMMERCIAL / INDUSTRIAL	

NEW		REVISED APPLICATION	
SYSTEM MODIFICATION OR EXPANSION		CHANGE OF PROPERTY OWNER	

B. TECHNICAL INFORMATION

Your installer will need to complete, or provide information for the following:

TYPE OF ENERGY SOURCE *(Tick the appropriate boxes)*	PV		WIND		LANDFILL		HYDRO		BATTERY		OTHER	

MODE OF EMBEDDED GENERATION *(Tick the appropriate boxes)*

Energy from embedded generation to be used within a customer's electrical installation and **excess to be exported** to Langeberg Municipality's electricity distribution network.		Energy from embedded generation to be used within a customer's electrical installation and **no excess to be exported** to Langeberg Municipality's electricity's distribution network.			
		Reverse flow blocking installed	**YES**		**NO**

BATTERY STORAGE

YES		NO		kWh	

PRELIMINARY DESIGN

Please attach a schematic diagram design showing major components, proposed point of common coupling, isolating and interfacing devices with electrical network, protection schemes, customer electrical installation, operating characteristics, etc.	

TOTAL CAPACITY OF EMBEDDED GENERATION (kVA AND PF) *(Attach schedule for each unit if more than one generation unit or location.)*	MAXIMUM TOTAL GENERATION CAPACITY OF SSEG (kVA) TO THE GRID *(If applicable)*

PROPERTY DISTRIBUTION BOARD MAIN CIRCUIT BREAKER						
AMPERE (A)		PHASE *(Tick the appropriate box)*	SINGLE		THREE	

PROPERTY EXISTING METERING DETAILS	
METER NO.	
METER TYPE *(Conventional (credit)/ prepayment / bi-directional AMI)*	

MAKE AND MODEL OF INVERTER						
MANUFACTURER		MODEL				
QUANTITY		PHASE *(Tick the appropriate box)*	SINGLE		THREE	

TYPE OF ALTERNATIVE ELECTRICAL GENERATION CATEGORY
Please consult your installer if uncertain.

PLEASE CHOOSE TYPE OF INSTALLATION BEING APPLIED FOR (please tick)

1. GRID-TIED SSEG	
2. GRID-TIED HYBRID SSEG (Include a Passive standby UPS utilized as a standby hybrid SSEG) *(Grid assisted and interconnected with electrical installation)*	
MAXIMUM BATTERY CHARGER POWER (kVA or Amps) *(maximum battery charger power drawn from the grid (DB board) by the inverter to charge the batteries.)*	
3. GRID-TIED PEAK SHAVING (LOPPING) POWER SOURCE *(Interconnected with electrical installation)*	
MAXIMUM BATTERY CHARGER POWER (kVA or Amps) *(maximum battery charger power drawn from the grid (DB board) by the inverter to charge the batteries.)*	
4. OFF-GRID ALTERNATIVE SUPPLY *(separated by an external change-over switch, and not interconnected with the electrical installation)*	
5. OFF-GRID LV/MV STANDBY GENERATOR *(separated by an external change-over switch and not interconnected with electrical installation)*	
6. SOLAR PV GEYSER	
7. ANY OTHER ALTERNATIVE ELECTRICAL GENERATION TYPE *(Please specify)*	

C. CLEARANCE BY OTHER *(Approval letter required if applicable from the relevant department.See notes.)*

Notes:

1. Electrical Engineering Services will require prior written approval from the following departments, where applicable. Applications will not be considered until all relevant approvals have been obtained, e.g.
   - Planning and Building Department - Zoning/subdivision/building structure plans (if applicable)
   - Department of Environmental Affairs - Noise impact assessment and ventilation
   - Department of Environmental Affairs - Air pollution and quality (only applicable to fuel-burning technologies)
2. Photovoltaic (PV) EG applications will require approval from Planning and Building Department only if:
   a) Rooftop installations: PV panel(s) in its installed position projects more than 1,5m, measured perpendicularly, above the roof and/or projects more than 600mm above the highest point of the roof;
   b) Installations on the ground: PV panel(s) in its installed position projects more than 2,1 meters above the natural/finished ground level.
3. PV applications typically do not require approvals for noise impact assessment and ventilation nor air pollution and quality.
4. Wind and other generation prime mover generation requires an EIA and other approvals.

D. INSTALLER DETAILS AND DECLARATION

INSTALLER DETAILS			
INSTALLER			
ACCREDITATION / QUALIFICATION			
ADDRESS			
		POSTAL CODE	
CONTACT PERSON			
WORK NO.		CELLPHONE NO	
EMAIL ADDRESS			

I acknowledge that the Langeberg Municipality Electrical Department will proceed with the review of this grid-tied alternative generation interconnection application. I understand that:

- I will have to pay for both in-house and outsourced engineering studies conducted as part of this review, should these be required; and aquotation for such work will be provided beforehand, allowing me to cancel or modify the application should I wish to do so.
- I further acknowledge that the Langeberg Municipality will provide this information to the National Energy Regulator of South Africa (NERSA) and other Distributors, as required.

ECSA REGISTERED PROFESSIONAL[A] *(Must be completed for only grid-tied and grid-tied hybrid and grid-tied passive standby UPS installations)*			
NAME AND SURNAME			
REGISTRATION NO.		REGISTRATION CATEGORY	

(Note: The details of the ECSA registered professional[A] must be provided as they must be involved in the design of the system and befamiliar with the technical details of the intended generation technology and assist in the completion of this application form. ECSA-professional sign-off is mandatory at t h e commissioning stage in accordance with Appendix 1)

DECLARATION	
I/we, the owner(s) of the property, hereby declare that I/we have taken the necessary steps to ensure all information contained in this declaration form is correct. I/we further acknowledge and agree to comply with the provisions of the Langeberg Municipality Electricity Supply By-law and Conditions of Supply[B].	
SIGNED (PROPERTY OWNER)	
DATE	

If signing on behalf of the property owner(s), an approved letter of proxy[D] must be attached to this declaration.

PROXY DETAILS	
TITLE	
FIRST NAME	
SURNAME	
SIGNED (PROPERTY OWNER)	
DATE	

[A] "ECSA-professional" refers to an electrical professional engineer, professional technologist, professional certificated engineer or professional engineering technician (domestic only) who is registered with the Engineering Council of South Africa (ECSA).

[B] Available on the Municipal website at https://www.langeberg.gov.za/langeberg-documents-and-notices/publications/municipality-by-laws

[C] Only the property owner may sign this declaration. Proof of property ownership must be attached to the application form. This can be a property rates account, title deed or proof of registration. If applying on behalf of the property owner(s), an approved letter of proxy must beattached to the application. If the owner is a private person, a copy of his/her identity document or passport must be attached to the declaration form. If the owner is not a private person, a copy of the business/trust/body corporate registration form must be attached to the declaration form, together with a copy of the signatory's identity document.

[D] If the owner is a natural person, a letter is required wherein the property owner appoints the signatory as a proxy. The letter must be signed bythe owner and accompanied by a copy of his/her identity document. If the owner is not a natural person, a resolution of the board (or equivalent strategic body, depending on the nature of the company) is required, authorizing the signatory to sign on behalf of the company. The property owner's details should still be completed in the property owner section. The only change is in the declaration section where, in thecase of a proxy, the owner's name is filled in without his/her signature and the proxy signs on behalf of the owner in the appropriate field. All other documentation required has to be submitted, including proof of ownership.

APPENDIX 1 –ALTERNATIVE ELECTRICAL GENERATING EQUIPMENT INSTALLATION COMMISSIONING REPORT

The Commissioning Report must be completed by: (1) an ECSA registered professional for all grid-tied installations, and (2) the accredited installer once you have received permission to install and your system has been installed. The following Commissioning Report must be submitted for each installation, confirming compliance with the Municipality's requirements for Alternative Electrical Generation.

SITE DETAILS			
PROPERTY ADDRESS			
SUBURB		POSTAL CODE	
ERF NO			
	MUNICIPAL RATES ACCOUNT NO		

CONTACT DETAILS	
PROPERTY OWNER	
CONTACT PERSON	
CONTACT TELEPHONE NO	

ALTERNATIVE GENERATOIN UNIT DETAILS	
MANUFACTURER AND MODEL TYPE	
SERIAL NUMBER/S OF INVERTER/S	
TOTAL CAPACITY OF ALTERNATIVE GENERATION (kVA & PF)	
SINGLE-PHASE OR THREE-PHASE	
TYPE OF ALTERNATIVE ELECTRICAL GENERATION CATEGORY *Please consult your installer if uncertain-as per page 3 of this application*	

INSTALLER DETAILS			
INSTALLER			
ACCREDITATION / QUALIFICATION			
CONTACT PERSON			
WORK NO		CELLPHONE NO	
EMAIL ADDRESS			

INFORMATION TO BE ATTACHED (INDICATE N/A IF NOT APPLICABLE)					
FINAL COPY OF CIRCUIT DIAGRAM		APPLICABLE ELECTRICAL INSTALLATION CERTIFICATE OF COMPLIANCE IN TERMS OF SANS 10142-1 OR SANS 10142-2 MV INSTALLATION SAFETY REPORT		SIGNED CONTRACT FOR SSEG/EG	

COMPULSORY DECLARATION – TO BE COMPLETED BY ECSA REGISTERED PR ENG, PR TECH ENG, PR CERT ENG FOR ANY ALTERNATIVE GENERATION INSTALLATION.	
THE SSEG INSTALLATION COMPLIES WITH THE LATEST EDITIONS AND RELEVANT SECTIONS OF NRS 097-2-1 AND SOUTH AFRICAN GRID CODES.	
THE LOSS OF MAINS PROTECTION HAS BEEN PROVED BY A FUNCTIONAL TEST CARRIED OUT AS PART OF THE ON-SITE COMMISSIONING *(e.g. a momentary disconnection of the grid supply to the ALTERNATIVE GENERATION in order to prove that the loss of mains protection operates as expected.)*	
PROTECTION SETTINGS HAVE BEEN SET TO COMPLY WITH THE LATEST EDITION OF NRS 097-2-1 AND THE APPROVED GENERATION CAPACITY MAXIMUM OUTPUT OF THE INVERTER HAS BEEN LIMITED BY APPROPRIATE HARDWARE OR SOFTWARE SETTINGS.	
SAFETY LABELS HAVE BEEN FITTED IN ACCORDANCE WITH THE LATEST EDITION OF NRS 097-2-1, SANS 10142-1 AND SANS 10142-2 MV INSTALLATION SAFETY REPORT	
THE SSEG/EG INSTALLATION COMPLIES WITH THE RELEVANT SECTIONS OF SANS 10142-1 AND AN INSTALLATION CERTIFICATE OF COMPLIANCE AND TEST REPORT FOR ELECTRICAL INSTALLATIONS, ARE ATTACHED.	
WHERE APPLICABLE FOR A GRID-TIED HYBRID SSEG INSTALLATION, THE SUITABLY INTERLOCKED CHANGE-OVER SWITCH CONFORMS TO THE REQUIREMENTS OF APPENDIX 4 OF THE REQUIREMENTS FOR THE SSEG DOCUMENT	
REVERSE POWER FLOW BLOCKING PROTECTION HAS BEEN INSTALLED AND COMMISSIONED TO PREVENT REVERSE POWER FLOW INTO THE ELECTRICITY DISTRIBUTION NETWORK *(where applicable)*	
COMMENTS *(continue on a separate sheet if necessary)*	

NAME AND SURNAME	
ECSA PROFESSIONAL CATEGORY	
ECSA REGISTRATION NO.	
SIGNATURE	
DATE	