



Cape St Francis
 Hankey
 Humansdorp
 Jeffreys Bay
 Lorie
 Oyster Bay
 Patensie
 St Francis Bay
 Thornhill

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INFRASTRUCTURE PLANING & DEVELOPMENT DEPARTMENT

APPLICATION FOR THE CONNECTION OF GENERATORS:

Erf No

Register No

Name of Account Holder:

Name :		Title :	
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**Postal Address:
 Account Number:**

Postal Address:		Account Number:	
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Contact Details:

	Office	Mobile
Telephone number		
Facsimile number		
E-mail address		

Project physical address:

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GPS Co-ordinates:

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Construction Schedule:

Project construction start date	
Projected in-service date of embedded generation	

Size and make of generator:

	Comments	✓
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Site Plan:

Attach Site Plan to show position of generator	
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Land Use Zoning:

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Preliminary design:

Attach circuit diagram and design showing generators, transformers, proposed point of common coupling, isolating and interfacing devices with Kouga Municipality's electrical network, protection schemes, consumer network, operating characteristics, Earthing arrangements etc.	
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Generation Capacity (kVA and PF):

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Make and model of Converter unit:

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Electrical Parameters of Generator and unit transformers

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Protection Details:

Method of synchronising: (Auto/Manual, make and type of Relay etc.)	
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Method of anti-islanding: (Details of scheme, relays to be used, etc.)	
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Method of generator control: (AVR, speed, power, PF, excitation System requirements etc. relays To be used)	
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Other main protection to be applied: (O/C, E/F, over/under voltage, over/under frequency, reverse power, back-up Impedance, generator transformer back-up earth fault, HV breaker fail, HV breaker pole disagreement, etc.)	
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Recording of Quality of Supply Devices	
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Has a Power Purchase Agreement Been entered into with a Third Party (Required before Connection to Distribution System

(If YES, supply details)

✓	
Yes	
No	

Proposed Generation Power Level:

(Periods defined by Eskom's Megaflex Tariff)

	TOTAL		EXPORT	
Peak Periods		kW		kW
Standard Periods		kW		kW
Off-Peak Periods		kW		kW
Proposed Total Monthly Energy Generation:		kW		kW

List of Regulatory Approvals, Requirements and Normative References:

(Tick appropriate box or mark N/A)

Electricity Regulation Act, Act 4 of 2006 and Electricity Regulation Amendment Act, 2006	✓
Department of Environmental Affairs & Tourism in terms of Environmental Conservation Act, No. 73 Of 1989 and National Environmental Management Act, No. 107 of 1998, (as amended)	
Occupational Health & Safety Act, No. 85 of 1993 as amended	
Compulsory Specifications Act, No. 5 of 2008	
South African Distribution Code (all parts)	
South African Grid Code (all parts)	
Kouga Municipal By-laws	
IEC 60068-2-1 : Environmental Testing – Part 1 Cold	
IEC 60068-2-1 : Environmental Testing – Part 2 Dry Heat	
IEC 60068-2-30 : Environmental Testing – Part 30 Damp Heat, cyclic (12h + 12h cycle)	
IEC 60255-3 : Electrical relays - Part 3 : Single input energizing quantity measuring relays with dependent and independent time	
IEC 60255-6 : Electrical relays - Part 6 : Measuring relays with dependent and protection equipment	
IEC 60255-21 : Electrical relays - Part 21 : Vibration, shock, bump and seismic tests on measuring relays and protection equipment (all sections)	
IEC 60255-22 : Electrical relays - Part 22 : Electrical disturbance tests for measuring relays and protection equipment (all sections)	
IEC 61727 : Photovoltaic (PV) systems – Characteristics of the utility interface.	
IEC 62271 -100 : High voltage alternating current circuit breakers	
IEC 62116: Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters	
IEEE 1547 : IEEE Standard for interconnecting distributed resources with electrical power systems	
IEEE 1547-1: IEEE Standard conformance test procedures for equipment interconnecting Distributed resources with electric power systems	
NRS 031 : Alternating current disconnectors and earthing switches (above 1000V)	
NRS 048-2 : Electricity Supply – Quality of Supply Part 2 : Voltage characteristics, compatibility levels, assessment methods.	
NRS 048-4 : Electricity Supply – Quality of Supply Part 4 : Application guidelines for utilities	
NRS 048-7 : Electricity Supply – Quality of Supply Part 7 : Application practices for end-users	
NRS 057(SANS 474) : Code of Practice for Electricity Metering	
NRS 097-1 : Code of Practice for the interconnection of embedded generation to electricity Distribution networks : Part 1 MV and HV	
NRS 097-2 : Grid interconnection of embedded generation : Part 2 Small scale embedded generation.	
SANS 1019 : Standard voltages, currents and insulation levels for electricity supply	
SANS IEC 60529 : Degrees of protection provided by enclosures (IP Code)	
SANS IEC 61000-4 : Electromagnetic compatibility (EMC) : Test and measurement techniques (all sections)	

CLEARANCE BY OTHER KOUGA MUNICIPAL DIRECTORATES

FUNCTION	SECTION	COMMENTS	NAME	SIGNATURE	DATE
Zoning/Subdivision/Building Structure Plans					
Noise Impact assessment and Ventilation					
Air pollution and quality (Fuel burning)					

INSTALLER DETAILS

Installer:			
Accreditation/Qualification:			
Professional Registration:		Reg No.	
Address			
		Postal Code:	
Contact person:			
Telephone No.:	Office:		Mobile:
Facsimile:		E-mail address:	

Any other additional information:

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I request Kouga Municipality to proceed with a preliminary review of this embedded generation interconnection application and I agree to pay the cost associated with completing this review and written consent of Kouga Municipality.

I further consent to Kouga Municipality providing this information to the National Electricity Regulator of SA (NERSA) and other Distributors as required.

I declare that this installation has been designed to comply with the requirements of Kouga Municipality's Electricity Services.

Application Completed By:

Name:	Title:

Professional Registration category:
(Pr Eng or PR Tech Eng)

	Reg No.	
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Signed (Applicant):

Date:

COMMENTS: KOUGA MUNICIPALITY – INFRASTRUCTURE PLANING & DEVELOPMENT DIRECTORATE

A representative of Kouga Municipality, Electricity department will wish to witness the Commissioning and installation notices on the circuits when generation is present	YES / NO
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As representative of Kouga Municipality, Electricity department, I hereby provide permission In principle for the embedded generation units.	YES / NO
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Comments:

_____ Director: Infrastructure Planning and Development	Contact:	Date:
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FOR OFFICE USE

Date Application Received:	<input style="width: 90%;" type="text"/>	Application Reference No.	<input style="width: 90%;" type="text"/>
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Further Information Required:	<input style="width: 90%;" type="text" value="YES / NO"/>	Date Received:	<input style="width: 90%;" type="text"/>
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Kouga Net Metering with modem Required:	<input style="width: 90%;" type="text" value="YES / NO"/>	Single/Three Phase:	<input style="width: 90%;" type="text"/>
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With web site access required:	<input style="width: 90%;" type="text" value="YES / NO"/>	Direct connect/CT Metering:	<input style="width: 90%;" type="text"/>
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Approved in Principal	<input style="width: 90%;" type="text" value="YES / NO"/>	Date Applicant Advised:	<input style="width: 90%;" type="text"/>
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Other:	<input style="width: 90%;" type="text" value="YES / NO"/>	Date Complete:	<input style="width: 90%;" type="text"/>
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Other:	<input style="width: 90%;" type="text" value="YES / NO"/>	Date Complete:	<input style="width: 90%;" type="text"/>
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