



APPLICATION FOR THE CONNECTION OF EMBEDDED GENERATION RESIDENTIAL SMALL SCALE

ETE RGEN 001 - Rev 1

REFERENCE NUMBER : E _____

◀ Note: This reference number will be generated once your application has been captured

Use this form if you intend to:

- Connect an embedded generator to the grid with a maximum generation output of 4.6 kVA single phase or 13.8 kVA three phase;
- To apply for an increase in generation output capacity in addition to existing generation

For other connection applications other than those stated above:

- Contact one of our customer services centres to acquire the correct form or;
- Visit www.durban.gov.za and download the appropriate form

General

Completed application forms to be emailed to: residentialgeneration@elec.durban.gov.za

All Fields are mandatory.

This form is to be completed electronically. Hand written forms will not be accepted.

Neat hand drawn diagrams will be accepted in section 6.

Please familiarise yourself with the eThekweni residential generation guideline prior to filling out this application. This guideline is attached to your electronic application form.

PART A - PARTICULARS OF PROPERTY OWNER AND SITE DETAILS

1. OWNER DETAILS

Title	First Name	Surname	ID Number
_____	_____	_____	_____
Physical Address			Landline
_____			_____
Postal Address			Cell phone
_____			_____
Email Address			Fax No.
_____			_____

2. SITE DETAILS

Floor No.	Unit No.	Street No.	Lot No.	ERF Number / Property Key
_____	_____	_____	_____ or _____	_____
Street Name				Post Code
_____				_____
Suburb		Town		
_____		_____		
GPS Co-ordinates Latitude:		GPS Co-ordinates Longitude:		Rates Account Number
_____		_____		_____

Use decimal degree format e.g. Latitude: -29.847538, Longitude: 31.025368

3. APPLICATION DETAILS

Indicate in this section, the purpose of this application

Preferred Meter Type

Bi-Directional

◀ This will allow for the metering of power in the forward and reverse direction

Existing Meter Number to be replaced

Embedded Generation

Connection of Embedded Generation to Grid

◀ This indicates that your generation system will be synchronised to the grid

Preferred Tariff Type

Scale 15

◀ This will allow for the off-set of power in line with the tariff terms and conditions

Existing Account Number

_____ Note : Your account number will not change as a result of this tariff change

Existing Connection Number

E

_____ Note : This can be found on your electricity account

PART B - CONNECTION / EMBEDDED GENERATION DETAILS

4. CONNECTION DETAILS

Provide the information regarding your existing and proposed connection requirements

DETAILS OF MAIN SWITCH

	Voltage	Current	Fault Rating	Protective Device
Existing Entire Site	V	A	kA	
Proposed Entire Site	V	A	kA	
Existing For this application	V	A	kA	
Proposed for this application	V	A	kA	

5. EMBEDDED GENERATION

Embedded Generation Details

◀ Note: Maximum generation capacity of 4.6 kVA single phase and 13.8 kVA three phase is allowed for residential connections

(solar, wind, gas etc.)

Does the premises have existing embedded generation? Yes No ▶ If yes Rated Output _____ kW Type: _____

Are you upgrading an existing or installing a new embedded generating unit? Upgrade New Installation

Type of Generation Solar PV Wind Hydro Other Specify _____

Generation Location Rooftop Carport Outdoor yard Other Specify _____

Size of Proposed Generation _____ (kVA) Power Factor of operation _____

Number of Inverter / generator Units _____

Is the Inverter or generator single or three phase Single Three

Number of PV Panels _____ Power rating per panel _____ W

Number of Battery Units _____ Power rating per unit _____ Ah

Energy Generation Details

▶ Provide estimate values per annum

Indicate total kWh's expected to be generated _____ kWh

Indicate total kWh's to be self consumed _____ kWh

Indicate total kWh's to be exported to the grid _____ kWh

Embedded Generation Details / Datasheets

◀ Type information in the space provided below. Reference the relevant test reports / specifications where necessary

Information Required

Method of synchronizing

Method of anti-islanding

Protection Details

Point of common coupling and method of isolation

Provide method of isolation in the event of fire

Provide orientation and inclination for rooftop PV installation

Note: Please only submit relevant technical information. Avoid submitting unnecessary data and specification sheets.

6. SINGLE LINE DIAGRAM

Include a single line diagram of the installation and connection to the municipal grid. Clearly show any protective devices between the generation system and the grid. Clearly show the meter connection and the meter number regarding this application. Ensure diagrams are neat and legible.

PART C - COMPLIANCE / SIGNATURE AND APPROVAL

7. COMPLIANCE

Area of compliance	Comply		Test Report	
	Yes	No	Yes	No
The embedded generation system is designed to comply with the relevant sections of the South African Renewable Energy Grid Code	Yes	No	Yes	No
The embedded generation system is designed to comply to the relevant sections of NRS 097	Yes	No	Yes	No
The embedded generation system is designed to comply to the relevant sections of NRS 048	Yes	No	Yes	No

It is mandatory for the embedded generation system to comply to respective parts of the above mentioned specifications. Non-Compliance to any of the above will result in the non-approval of this application. Attached the necessary test reports/certification.

8. SIGNATURE AND APPROVAL

The information contained in this application and related attachments are true and correct Yes

We have read the EThekweni Guideline, titled "Connection of Residential Embedded Generation" (Revision___) and agree to the terms and conditions thereof. Yes

We agree to abide by the latest Municipal, Regulatory, Legal, Technical and Safety Standards/guidelines regarding the connection of this generating system to the grid. Yes

Owner Name / Surname

Signature _____

Date ____ / ____ / ____

Installer Name / Surname

Accreditation: _____

Accreditation No: _____

Contact No. _____

Signature _____

Date ____ / ____ / ____

Engineer Name / Surname

Accreditation: Engineering Council of South Africa (ECSA)

Accreditation No: _____

Contact No. _____

Signature _____

Date ____ / ____ / ____