



# COMMISSIONING REPORT FOR EMBEDDED GENERATION RESIDENTIAL SMALL SCALE

ETE RGEN 002 - Rev 1

REFERENCE NUMBER : E \_\_\_\_\_

◀ *Note: This is the reference number that was allocated to your application*

## Use this form if you:

- Connected an embedded generator to the grid and want to provide a declaration regarding the commissioning of such installation;

## 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](http://www.durban.gov.za) and download the appropriate form

## General

**Completed Commissioning Reports must be emailed to:** [residentialgeneration@elec.durban.gov.za](mailto: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 7.

## PART A - SITE DETAILS / PARTICULARS OF INSTALLER AND ENGINEER

### 1. SITE DETAILS

Floor No.	Unit No.	Street No.	Lot No.	ERF Number / Property Key
		or		
Street Name		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

### 2. INSTALLER DETAILS

Title	First Name	Surname	ID Number
Company Name		Company Registration Number	Landline
Physical Address		Suburb	Cell phone
Email Address			Fax No.
a) Qualification / Accreditation	Qualification / Accreditation Number	b) Qualification / Accreditation	Qualification / Accreditation Number

### 3. ENGINEER DETAILS

Title	First Name	Surname	ID Number
Company Name		Company Registration Number	Landline
Physical Address		Suburb	Cell phone
Email Address			Fax No.
a) State ECSA Accreditation	Registration Number	b) Qualification / Accreditation	Qualification / Accreditation Number

## PART B - EMBEDDED GENERATOR DETAILS

### 4. MANDATORY INFORMATION TO BE SUBMITTED

Information for submission	Submitted		File Name (pdf file)
Final copy of circuit diagram detailing connection to the grid - Show meters and protective devices	Yes	No	◀ _____
Inverter type test certificate & test report according to NRS 097-2-1	Yes	No	◀ _____
Factory setting sheet indicating that the inverter has been set in accordance to NRS 097-2-1	Yes	No	◀ _____
An electrical installation certificate of compliance	Yes	No	◀ _____
Operation and Maintenance procedure	Yes	No	◀ _____
Decommissioning procedure	Yes	No	◀ _____

*Failure to submit the above mentioned information will result in the non-acceptance of this commissioning report and withdrawal of any approval for the connection of the embedded generator to the grid.*

## 5. SMALL SCALE EMBEDDED GENERATOR DETAILS

### Embedded Generation Details

Type information in the space provided below. Where additional space is required, make use of section (8).

Type of Generation      Solar PV                  Wind                  Hydro                  Other                  Specify \_\_\_\_\_

Size of Installed Generation      \_\_\_\_\_ kVA      Power Factor of operation      \_\_\_\_\_      Maximum peak AC short circuit current (A)      \_\_\_\_\_ A

Quantity of Inverter(s) / generator unit(s)

Manufacturer of Inverter(s) / generator unit(s)

Model Number & Serial Number of Inverter(s) / generator unit(s)

Quantity of PV Panel(s)

Manufacturer of PV Panel(s)

Model Number & Serial Number of PV Panel(s)

Quantity of Battery Unit(s)

Manufacturer of Battery Unit(s)

Model Number & Serial Number of Battery Unit(s)

## PART C - COMPULSARY DECLARATION

### 6. COMPLIANCE AND DECLARATION BY ENGINEER

#### Area of compliance

Area of compliance	Complied	Date Commissioned
The generation installation complies with the relevant sections of NRS 097-2-1	Y    N	◀ _____
The loss of mains protection (anti-Islanding) has been proved by a functional test carried out as part of the on-site commissioning.	Y    N	◀ _____
Protection settings have been set to comply with NRS 097-2-1	Y    N	◀ _____
Safety labels have been fitted in accordance with NRS 097-2-1	Y    N	◀ _____
The generation installation complies with the relevant sections of SANS 10142-1	Y    N	◀ _____
Installation certificate of compliance attached	Y    N	◀ _____
Reverse power blocking system installed to prevent reverse power flow onto the municipal grid ( Where applicable)	Y    N	◀ _____

*It is mandatory for the embedded generation system to comply to the respective parts of the above mentioned specifications. Non-Compliance to any of the above will result in the non acceptance of this commissioning report and the withdrawal of approval. Attached the necessary certification where applicable.*

### 7. ADDITIONAL DRAWINGS / SKETCHES

### 8. ADDITIONAL TECHNICAL INFORMATION

### 9. SIGNATURE AND APPROVAL

I declare that the information contained in this commissioning report and the supporting documentation is true and correct.

Yes

Engineer Name / Surname

Signature

Date

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_ / \_\_\_\_ / \_\_\_\_