COMMISSIONING REPORT FOR EMBEDDED GENERATION

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;

Contact Information

Call Centre: 0801313111
Email to: embeddedgeneration@durban.gov.za

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

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 for submission in section 6.

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 | 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

2. INSTALLER DETAILS

Title | First Name | Surname | ID Number

Company Name | Landline

Physical Address | Cell phone

Email Address | Fax No.

State Accreditation | Reg Number

3. ENGINEER DETAILS

Title | First Name | Surname | ID Number

Company Name | Landline

Physical Address | Cell phone

Email Address | Fax No.

State ECSA Accreditation (Pr-Eng, Pr-Tech.) | Reg Number

PART B - EMBEDDED GENERATOR DETAILS

4. MANDATORY INFORMATION TO BE SUBMITTED

Information for submission	Submitted		File Name *(prefer pdf file)*
Final copy of as built SLD connection to the grid - Show meters, protective devices, no of poles on the CB used,CTs,	Yes ☐	No ☐ ◄	Circuitdiagram.pdf
Inverter type test certificate & test report according to NRS 097-2-1	Yes ☐	No ☐ ◄	Inverter.pdf
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 if required, make use of the additional information section.*

Type of Generation Solar PV ☐ Wind ☐ Hydro ☐ Other ☐ Specify _____

Total Size of Installed Generation (AC) _____ kVA

Power Factor of operation _____

Maximum peak AC short circuit current (A) _____ A

Number of Inverter / generator Units ☐☐

Manufacturer / Model of PV Panels — Enter Manufacturer details here

Manufacturer / Model of Inverter / Generator — Enter Manufacturer / Model of Inverter/Generator/Size (kVA)

Manufacturer / Model of battery storage device — Enter Manufacturer / Model of battery storage device/Capacity of storage (kWh)

Serial Number (s) of Inverter / Generator — Enter serial number (s) of inverters / generators/Size (kVA)

Note : Datasheets may be required for certain equipment. Do not submit datasheets unless otherwise requested.

PART C - COMPULSARY DECLARATION

6. COMPLIANCE AND DECLARATION BY ENGINEER

Area of compliance	Complied			Date Commissioned
The generation installation complies with the applicable sections of NRS 097	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. Disconnect time ___s, reconnection time ____ s	Y ☐	N ☐	◄	
Protection settings have been set to comply with NRS 097-2-1 and NRS 097-2-3	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 and SANS 10142-2 (when published)	Y ☐	N ☐	◄	
Installation Certificate of Compliance (COC) attached	Y ☐	N ☐	◄	
The site meets the SA Renewable Energy Grid Code requirements for the relevant category of plant installed	Y ☐	N ☐		
Maximum battery charging current setting when charging from the Municipal grid				Amps
The SSEG complies with all licensing/registration requirements of NERSA	Y ☐	N ☐		
Reverse power blocking system installed to prevent reverse power flow onto the municipal grid (Where applicable)	Y ☐	N ☐	◄	
Where export is allowed by the Municipality, which is the maximum export capacity to the grid is set at?				kW
The site meets the Grid Connection Code of Battery Storage facitlities for the category of plant installed (if battery storage includec	Y ☐	N ☐	◄	
Date of site visit and inspection/commissioning by the Pr-Eng/Pr-Tech			◄	

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 certification where applicable.

7. ADDITIONAL TECHNICAL INFORMATION

8.SIGNATURE AND APPROVAL

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

Engineer Name / Surname _____ Signature _____

Date d d / m m / y y y y