



forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

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DFFE Reference: 14/12/16/3/3/2/2009/AM3

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PER EMAIL / MAIL

Dear Dr Hagemann

CORRECTION TO THE AMENDMENT OF ENVIRONMENTAL AUTHORISATION ISSUED ON 15 MAY 2023 FOR THE PROCESS OF 249MW OYA ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE NEAR MATJIESFONTEIN, WESTERN CAPE PROVINCE

The amendment to the Environmental Authorisation (EA) issued for the above application by this Department on 15 May 2023, your letter dated 19 May 2023 and received by this Department on 22 May 2023, refer.

In terms of Regulation 27 (4) of the Environmental Impact Assessment (EIA) Regulations, 2014, as amended this Department has decided to amend the abovementioned decision to correct a typographical error, which has been highlighted in bold and underlined for ease of reference, as follows:

Amendment 4 (page 5): Amendment to listed activities:

From

Reason for the amendment:

The listed activities need to be relevant to the current facility to be constructed, all the mentioning of the Fuel Based Generation Facility (FBCF) from the entire EA must be removed. Please note that amendments have been underlined, and deletions strike out for easy reference. In addition, various sections, and pages of the EA mentions the development of the Fuel based Generation Facility', however this no longer forms part of the scope of development, therefore Appendix 8, contains a detailed list of sections, and sentences that need to be altered to remove mention of the facility from the EA. Removing of tables in the EA (page. 13 of EA). Also remove table 1 and table 2 of Page 4 - the Fuel-Based Generator Facility no longer forms part of the project infrastructure.

To

Reason for the amendment:

The listed activities need to be relevant to the current facility to be constructed, all the mentioning of the Fuel Based Generation Facility (FBCF) from the entire EA must be removed. Please note that amendments have

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been underlined, and deletions strike out for easy reference. In addition, various sections, and pages of the EA mentions the development of the Fuel based Generation Facility', however this no longer forms part of the scope of development, therefore Appendix 8, contains a detailed list of sections, and sentences that need to be altered to remove mention of the facility from the EA. Removing of tables in the EA (page. 13 of EA). Also, remove table 1 and table 2 of **Page 13** - the Fuel-Based Generator Facility no longer forms part of the project infrastructure.

2. Amendment 6 (page 6): Amendment to the technical details of the Solar PV Arrays:

As per the application for amendment submitted 21 April 2023, Appendix 8, the Number of Inverters and Associated Abatement Equipment are hereby amended as follow:

Table row	Component	Description/Dimensions	Motivation
Row 11	Number of Inverters Required	43 (3MW Inverters) 22 (6.6MW Inverters)	There will now be 22 inverters, instead of 42 this is as a result of the use of larger inverters inside the PV plant.
Row 18	Associated Abatement Equipment	Associated Abatement Equipment to reduce emissions, manage fumes and for monitoring purposes once facility is operational: • Multiple Continuous Emissions Monitoring Systems (CEMS) (1 installed per stack). Multiple Stacks for capturing emissions and Multiple scrubbers	Remove row 18. The fuel component and the generator sets have been removed from the project infrastructure required for construction and operation of the development, associated abatement equipment required as part of the FBGF are therefore no longer required and are no longer relevant to the environmental authorisation

Reason for the amendment:

According to the Applicant, the requested change was not included in the latest amendment issued on the 15 May 2023 (14/12/16/3/3/2/2009/AM2). Therefore, the Applicant kindly request this information be corrected to reflect both the description change (row 11) as well as removal (row 18), as per Appendix 8 of the amendment application submission included in Appendix A.

3. Amendment 7 (Page 6): Details regarding the BESS will change from:

From

The BESS would cover an area of up to approximately 9.6 ha. The storage capacity of the BESS will be up to 94MW/242MWh, and the type of technology will be Lithium Iron Phosphate (LiFePO4)'

To

The BESS would cover an area of up to approximately 9.6 ha. The storage capacity of the BESS will be up to 94MW/242MWh **(augmented at year 12 with 32MW/88 MWh)** and the type of technology will be Lithium Iron Phosphate (LiFePO4)'.

The reason for the amendment:

The amendment is required to reflect the full area to be used for the Battery Energy Storage System (BESS) The 9.6ha will be used exclusively for the BESS footprint, with the previous adjacent 1.8ha approved FBGF footprint merging with the 7.8ha approved BESS footprint, as FBGF infrastructure will no longer form part of the project. This does not constitute a change to the total authorized and approved footprint. The BESS MW details need updating to reflect the difference between storage capacity in MWh and battery energy output in MW, as well as the battery chemistry. BESS is a system of batteries storing electricity as chemical energy, which can be converted back to electrical energy for grid use. However, the battery's capacity can degrade over time, affecting its ability to store and discharge electricity. To counter this, the BESS system can be augmented after 12 years with 32 MW/88 MWh of storage capacity. This "tops up" the degraded capacity, maintaining the system's original 94 MW/242 MWh capacity. It ensures effective operation and support for grid demands during peak periods despite battery aging.

Please note that this letter must be read in conjunction with the Environmental Authorisation dated 10 November 2016, as amended.

Yours faithfully



Mr Sabelo Malaza
Chief Director, Integrated Environmental Authorisations
Department of Forestry, Fisheries and the Environment

Date: *13/06/2023*

cc:	Caryn Clarke	Oya Energy Facility (RF) (Pty) Ltd	E-mail: oya@o7energies.com
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