

## **EXXARO POLLUTION PREVENTION PLAN FOR GHGs**

Details of the person submitting the plan on behalf of the company:

**Name:** [REDACTED]

### **Contact Details**

**Address:** 1 Roger Dyason Road, Pretoria West

**Telephone Number:** [REDACTED]

**Mobile Number:** [REDACTED]

**E-mail address:** [REDACTED]

**Fax number:** [REDACTED]

The completed signed declaration is attached as **Annexure 1**

The remaining details pertaining to the Exxaro PPP is included in Table 1 and Table 2.

**Table 1: Template for total annual emissions from each activity measured as CO<sub>2</sub>-eq for the preceding calendar year**

Activity (IPCC Source Category) <sup>2</sup>	Year (insert calendar years for which data is provided) <sup>3</sup>	Methane (CH <sub>4</sub> ) (tonnes per annum)	Methodology and GHG emission factors used to estimate baseline emissions <sup>4</sup>	Total GHG emissions in CO <sub>2</sub> equivalents (tonnes per annum)
1B1a.ii	2017	771	Coaltech emission factor for surface mining (0.014 m <sup>3</sup> CH <sub>4</sub> / tonne) and post mining (0.0084 m <sup>3</sup> CH <sub>4</sub> / tonne)	19,269
<b>Total by gas</b>				<b>19,269</b>

<sup>2</sup> Activities for which GHG data will be required for PPP reporting (activities are presented in the National GHG Reporting Regulations, 2017)

<sup>3</sup> Provide a baseline of the GHGs emissions for the year preceding the implementation of the Regulations

<sup>4</sup> As per the National Greenhouse Gas Emission Reporting Regulations, 2017

**Table 2: Template for providing details of planned mitigation measures**

Mitigation measure	Description of mitigation measure	Anticipated implementation date	Assumptions used to estimate anticipated GHG emission reduction	Affected GHG	Anticipated emission reduction (tonnes CO <sub>2</sub> e)						
					Y1 (2016)	Y2 (2017)	Y3 (2018)	Y4 (2019)	Y5 (2020)	Total over 5 years	
Energy Saving	1 Mega Watt – Solar grid Project at Marapong	01/07/2019	Should project be implemented on time a saving of 1750 MMWh/annum is expected. (the expected annual generation of the Marapong ±1 MW facility).	CO2	0						
Energy Saving	Exaro Energy Monitoring Initiative.	01/01/2019	Saving only on plant with a current stable state. This will include GG1 and GG4&5. Base case of GG2/6, 7&8 and backfill will increase due to production demand and ramp-up of new facilities this has not been included in the baseline. Re-evaluation after stable state is reached in these facilities.	CO2	0						
<b>Total (CO<sub>2</sub>eq)</b>											<b>4490</b>

## ANNEXURE I

### Templates for preparation of the plan

The following declaration and Table 1 and 2 must form part of the pollution prevention plan.

Name of Company: Exxaro Coal (Pty) Ltd - Grootegeluk

Declaration of accuracy of information provided:

I, [REDACTED] declare that the information provided in this report is in all respects factually true and correct to the best of my knowledge and as at the date of signature.

Signed at ROPHALE on this 15<sup>th</sup> day of MARCH 2018

[REDACTED]  
Signature

[REDACTED]  
Capacity of Signatory