

ANNEXURE 3
ANNUAL REPORTING
Category A reporting



Name of Data Provider: ArcelorMittal South Africa Limited, registration number 1989/002164/06, a limited liability company duly incorporated in the Republic of South Africa.

Data Provider ID: Not provided yet by the Department.

Date of Submission: 30 April 2019

Year of data: 2018

Comments: Submission of GHG emissions based on Tier 1 methodology as per IPCC and Technical Guidelines.

IPCC Code (See Annexure 1)	Sub category ⁴ (disaggregated by fuel / product type / production process)	Activity Data ⁵		Value of activity data	Units of activity data	Emissions (tonnes/year)					
		Name of activity data	Value			CO ₂	CH ₄	N ₂ O	Value	Value	Value
1A2a	Natural gas (Downstream)	Fuel Combustion - Iron and Steel	284 916	1	Annexure A Technical Guidelines	5.08	1	Annexure A Technical Guidelines	0.508	1	Annexure A Technical Guidelines
		Fuel Combustion - Iron and Steel	4 762	1	Annexure A Technical Guidelines	0.08	1	Annexure A Technical Guidelines	0.008	1	Annexure A Technical Guidelines
		Fuel Combustion - Manufacture of Solid Fuel	1 157 962	1	Annexure C Technical Guidelines	Reported as part of 1B1C	-	-	Not Applicable	-	-
1B1c	Coke Making	Coke Making - Fugitive Emissions from Fuels	1A1C1	1	N/A	0.19	1	Annexure C Technical Guidelines	Not Applicable	-	Annexure C Technical Guidelines
		Industrial Processes and Product Use - Iron and Steel Production	7 251 928	1	Annexure C Technical Guidelines	Not Applicable	-	Not Applicable	Not Applicable	-	Not Applicable
2C1	BOP Crude Steel Production	Industrial Processes and Product Use - Iron and Steel Production	0	1	Annexure C Technical Guidelines	Not Applicable	-	Not Applicable	Not Applicable	-	Not Applicable
		Industrial Processes and Product Use - Iron and Steel Production	0	1	Annexure C Technical Guidelines	Not Applicable	-	Not Applicable	Not Applicable	-	Not Applicable
		Industrial Processes and Product Use - Iron and Steel Production (not converted into steel)	812 005	1	Annexure C Technical Guidelines	284.2	1	Annexure C Technical Guidelines	Not Applicable	-	Annexure C Technical Guidelines
		Sinter Production	586 261	1	Annexure C Technical Guidelines	Not Applicable	-	Not Applicable	Not Applicable	-	Not Applicable
		DRI Production		1	Annexure C Technical Guidelines	Not Applicable	-	Not Applicable	Not Applicable	-	Not Applicable

IPCC Code (See Annexure 1)	Sub category ⁴ (disaggregated by fuel / product type / production process)	Activity Data ⁵		Value of activity data	Units of activity data	Emissions (tonnes / y)					
		Name of activity data	Value			CO ₂	CH ₄	N ₂ O	Value	Value	Value
4A1	Domestic Waste Disposal	Domestic waste disposal site with controlled placement of waste (i.e. waste directed to specific deposition areas, a degree of control of scavenging and fires) and will include at least one of the following cover material; mechanical compaction; or levelling of the waste. This category can be subdivided into aerobic and anaerobic.	Not Applicable	-	t	Not Applicable	-	39	1	Chapter 5 IPCC	Not Applicable

Fuel	Internal Consumption	Units	CO ₂ (t)	CH ₄ (t)	H ₂ O (t)
Diesel		L	10764	0.836	0.087
Heavy Fuel Oil		L	1037	0.158	0.032
Petrol		t	4074	0.045	0.009
Total per GHG (t)			15 875	0.639	0.128
Total CO ₂ e (t)			15 875	14,688	37,804
			15 875		15 928

NOTES:

- ⁴ Sub-category is applicable in cases whereby more than one fuel type, technology, product or production process is relevant for a specific IPCC code. In steel production for example, Basic Oxygen Furnace (BOF) and Electric Arc Furnace (EAF) are commonly used to produce steel. Each of these processes has a unique greenhouse gas emission factor.
 - ⁵ Activity data as specified for each activity type in the "Technical Guidelines for Monitoring, Reporting and Verification of Greenhouse Gas Emissions by Industry".
 - ⁶ Please consult the "Technical Guidelines for Monitoring, Reporting and Verification of Greenhouse Gas Emissions by Industry" to identify the relevant greenhouse gases that must be considered for each activity listed in Annexure 1 of these regulations.
 - ⁷ CO₂ emissions due to Diesel, Petrol and Heavy Fuel Oil combustion are mainly due to transport activity and are reported separately in the above figures. A small percentage of these fuels is however used for stationary combustion purposes, but such quantities are not measured separately. The IPCC reporting regulations are also not clear on whether such emissions are included in the Tier 1 factors provided. When converted Diesel, petrol and heavy fuel oil into a CO₂e emission figure it amounts to: 19328 tCO₂e for 2018 (including CH₄ and N₂O emissions expressed as CO₂e).
- Domestic waste disposal related emissions not reported previously