



## DEA GHG Indicator Summary

|                       |                                    |
|-----------------------|------------------------------------|
| Name of Data Provider | PPC South Africa                   |
| Data Provider ID      | 17050010500                        |
| Date of Submission:   | 01-Apr-19                          |
| Year of data:         | 1 January 2018 to 31 December 2018 |
| Comments:             | PPC & Lime                         |

| IPCC Code (see Annexure 1) | Sub category (4) (disaggregated by fuel / product type / production process) | Units of activity data | Emissions (kg/year) |      |           |           |      |           |           |      |           |                  |      |           |                  |                  |
|----------------------------|--|------------------------|---------------------|------|-----------|-----------|------|-----------|-----------|------|-----------|------------------|------|-----------|------------------|------------------|
|                            |  |                        | CO2                 |      |           | CH4       |      |           | N2O       |      |           | CO2e             |      |           |                  |                  |
|                            |  |                        | Value               | Tier | Ref       | Value     | Tier | Ref       | Value     | Tier | Ref       | Value            | Tier | Ref       | Total CO2e       |                  |
|                            |  |                        | kg                  |      |           | kg        |      |           | kg        |      |           | kg               |      |           | kg               |                  |
|                            |  | Total                  |                     |      |           |           |      |           |           |      |           |                  |      |           |                  |                  |
|                            |  | Tonnes                 | 1 471 637 781.22    | 1    | Technical | 15 313.61 | 1    | Technical | 22 970.41 | 1    | Technical | 1 471 637 781.22 | 1    | Technical | 6 845 183.02     | 1 478 804 550.02 |
|                            |  | KI                     | 1 627 226.95        | 1    | NCV       | 63.07     | 1    | NCV       | 12.61     | 1    | NCV       | 1 627 226.95     | 1    | NCV       | 3 759.02         | 1 632 310.46     |
|                            |  | KI                     | 108 657.78          | 1    | NCV       | 4.21      | 1    | NCV       | .84       | 1    | NCV       | 108 657.78       | 1    | NCV       | 88.44            | 108 997.23       |
|                            |  | KI                     | 2 176 401.3         | 1    | NCV       | 88.11     | 1    | NCV       | 17.62     | 1    | NCV       | 2 176 401.3      | 1    | NCV       | 1 850.38         | 2 183 503.24     |
|                            |  | KI                     | 4 831 380.3         | 1    | 2006-V2   | 1 977.37  | 1    | 2006-V2   | 263.65    | 1    | 2006-V2   | 4 831 380.3      | 1    | 2006-V2   | 41 524.82        | 4 951 472.72     |
|                            |  | Tonnes                 | 8 434 053.6         |      | VDZ       |           |      | VDZ       |           |      | VDZ       | 8 434 053.6      |      | VDZ       |                  | 8 434 053.6      |
| 2A2f                       | Non-Metallic Minerals (Cement, Lime, Dolomite)                               | KI                     |                     | 1    | 2006-V2   |           |      | 2006-V2   |           |      | 2006-V2   |                  |      | 1         | 2006-V2          |                  |
|                            |  | Tonnes                 |                     | 1    | Technical |           |      | 1         | Technical |      | 1         | Technical        |      | 1         | Technical        |                  |
|                            |  | Tonnes                 |                     | 1    | 2006-V2   |           |      | 1         | 2006-V2   |      | 1         | 2006-V2          |      | 1         | 2006-V2          |                  |
|                            |  | Tonnes                 |                     | 1    | 2006-V2   |           |      | 1         | 2006-V2   |      | 1         | 2006-V2          |      | 1         | 2006-V2          |                  |
|                            |  | Tonnes                 |                     | 1    | 2006-V2   |           |      | 2006-V2   |           |      | 2006-V2   |                  |      | 1         | 2006-V2          |                  |
|                            |  | Tonnes                 |                     | 1    | 2006-V2   |           |      | 2006-V2   |           |      | 2006-V2   |                  |      | 1         | 2006-V2          |                  |
|                            |  | Tonnes                 |                     | 1    | 2006-V2   |           |      | 2006-V2   |           |      | 2006-V2   |                  |      | 1         | 2006-V2          |                  |
|                            |  | Tonnes                 |                     | 1    | 2006-V2   |           |      | 1         | 2006-V2   |      | 1         | 2006-V2          |      | 1         | 2006-V2          |                  |
|                            |  | Other                  |                     | 1    |           |           |      |           |           |      |           |                  |      |           |                  |                  |
| 2A1                        | Mineral industry - Cement Production   | CO2                    | 1 647 554 468.52    | 1    |           |           |      |           |           |      |           | 1 647 554 468.52 |      |           | 1 647 554 468.52 |                  |
| 2A2                        | Mineral industry - Lime Production   | CO2                    | 471 991 542.27      | 1    |           |           |      |           |           |      |           | 471 991 542.27   |      |           | 471 991 542.27   |                  |
|                            |  | CO2                    | 3 608 361 511.99    |      |           |           |      |           | 23 265.14 |      |           | 3 608 361 511.99 |      |           | 3 631 626.13     |                  |
|                            |  |                        |                     |      |           | 17 446.38 |      |           |           |      |           |                  |      |           | 6 933 012.21     |                  |
|                            |  |                        |                     |      |           |           |      |           |           |      |           |                  |      |           |                  | 3 615 660 880.06 |

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.