|   |                                   |  |           |           | Units                      |   |                                  |  |                        |          |
|---|-----------------------------------|--|-----------|-----------|----------------------------|---|----------------------------------|--|------------------------|----------|
|   | Plant Capacity                    |  | GGBFS     | 400,000   | tonnes                     | Ground Gran   | ulated Blast                     | Furncae Slag                           |                        |          |
|   |                                   |  |           |           |                            |   |                                  |  |                        |          |
|   | Feed Stock                        |  | GBFS      |           |                            | Granulated B  | Blast Furnace                    | Slag                                   |                        |          |
|   | Moisture                          |  | GBFS      | 8 - 12    | %                          |   |                                  |  |                        |          |
|   | Mill Rate                         |  | GGBFS     | 63        | tob                        | Finished Prod   | duct Data                        |  |                        |          |
|   | Willi Rate                        |  | GGBF3     | 03        | tph                        | Fillistieu Proc   | uuci Kale                        |  |                        |          |
|   | Natural Gas Consumption           |  |           | 30,000    | MJ/h                       | Based on air  | temp of 15 °                     | C and maximum                          | feed moisture of 12 %  |          |
|   | ,                                 |  |           | 37,000    | kJ/Nm <sup>3</sup>         |   |                                  | ural Gas at 15 °C                      |                        |          |
|   |                                   |  |           | 811       | Nm³/h                      | Gas consump   |                                  |  |                        |          |
|   |                                   | Total per annum                                      |           | 5,148,005 | Nm <sup>3</sup>            | Gus consump   | ,                                | 11 41 13 6                             |                        |          |
|   |                                   | Total per annum                                      |           | 190       | TJ                         |   |                                  |  |                        |          |
|   | NOX emissions                     | 98mg/Nm <sup>3</sup> , calculated as NO <sub>2</sub> |           | 505       | kg/annum                   | NO <sub>x</sub> Max = 48  | 0 nnm                            | From M                                 | lill Supplier          |          |
|   |                                   | 26mg/Nm <sup>3</sup>                                 |           |           |                            |   |                                  |  |                        |          |
|   | SOX emissions                     | -  |           | 133.85    | kg/annum                   | SO <sub>x</sub> Max < 9 <sub>I</sub>                                      |                                  | From Mill Supplier                     |                        |          |
|   | CO <sub>2</sub> emissions         | 51.4 kg CO <sub>2-e</sub> /GJ                        |           | 9,790.48  | t CO <sub>2-e</sub> /annum | Data from Ta  | able 2.3.2A o                    | f NGER Technica                        | Guidelines 2017-18.pdf |          |
|   |                                   |  |           |           |                            |   |                                  |  |                        |          |
|   |                                   |  |           |           |                            |   |                                  |  |                        |          |
|   | A 4111 A 1 5 11 5                 |  |           |           | 20                         |   |                                  |  |                        |          |
|   | Mill Air Exit Temp                |  |           | 95        | °C                         |   |                                  |  |                        |          |
|   | Air Flow through Mill             |  |           | 192,000   | m³/h                       | At 95 °C  |                                  |  |                        |          |
|   |                                   |  |           | 142,435   | Nm³/h                      |   |                                  |  |                        |          |
|   | Particulate (dust emission)       |  | less than | 10        | mg/Nm <sup>3</sup>         | Guarantee fo  | antee for the Process Bag Filter |  |                        |          |
|   | Ratio of Air Recycled back to     |  |           |           |                            |   |                                  |  |                        |          |
|   | mill vs air discharged to stack   |  |           | 55        | %                          |   |                                  |  |                        |          |
|   | Illiii vs air discharged to stack |  |           | 55        | 70                         |   |                                  |  |                        |          |
|   | Air discharged to stack           |  | less than | 45        | %                          | Significant pa  | art of airflow                   | returned to mill                       | - energy efficiencies  |          |
| 1 | Mill Process                      | Dust emissions to atmosphere                         |           | 0.6409575 | kg/hr                      | o ignimicante pro   |                                  |  |                        |          |
|   |                                   | Total per annum                                      | less than | 4.07      | tonnes                     |   |                                  |  |                        |          |
|   |                                   | Total per day  | less than | 15.38     | kg/day                     | During Opera  | ation                            |  |                        |          |
|   |                                   | Total per day  | less than | 11.15     | kg/day                     | Annualized  |                                  |  |                        |          |
|   |                                   |  |           |           |                            |   |                                  |  |                        |          |
|   | <b>Fugitive Dust Collectors</b>   |  | less than | 10        | mg/Nm <sup>3</sup>         | Guarantee for the Nuisance Bag Filters                                    |                                  |  |                        |          |
|   | Loading Spouts                    |  |           | 900       | Nm³/h                      | Air to be collected, based on Silo Blower 10m <sup>3</sup> /min and Airsl |                                  | .0m <sup>3</sup> /min and Airslide Fan | 5m³/min                |          |
|   |                                   | Truck loading rate                                   |           | 160       | tph                        |   |                                  |  |                        |          |
| 2 | Loading Spouts                    | Dust emissions to atmosphere                         |           | 0.009     | kg/hr                      |   |                                  |  |                        |          |
|   |                                   | Total per annum                                      | less than | 22.500    | kg                         |   |                                  |  |                        |          |
|   |                                   | Total per day  | less than | 0.062     | kg/day                     |   |                                  |  |                        |          |
|   |                                   |  |           |           |                            |   |                                  |  |                        |          |
|   |                                   |  |           |           |                            |   |                                  |  |                        | <u> </u> |

| 3 | Silo Filter     |                              |           | 1600    | Nm³/h  |                  |
|---|-----------------|------------------------------|-----------|---------|--------|------------------|
|   |                 | Dust emissions to atmosphere | less than | 0.016   | kg/hr  | During operation |
|   |                 | Total per annum              | less than | 101.587 | kg     |                  |
|   |                 | Total per day                | less than | 0.278   | kg/day | Annualized       |
|   |                 |                              |           |         |        |                  |
| 4 | Transfer Points |                              |           | 2000    | Nm³/h  |                  |
|   |                 | Dust emissions to atmosphere | less than | 0.020   | kg/hr  | During operation |
|   |                 | Total per annum              | less than | 126.984 | kg     |                  |
|   |                 | Total per day                | less than | 0.348   | kg/day | Annualized       |

| Based On Loesche O       | option  |      |                     |                                  |                |                   |                     |   |     |
|--------------------------|---|------|---------------------|----------------------------------|----------------|-------------------|---------------------|---|-----|
|                          | •   |      |                     |                                  |                |                   |                     |   |     |
|                          |   |      |                     |                                  |                |                   |                     |   |     |
| Equipment                | Description                                   | kW   | Department          | Power Consumption                |                |                   |                     |   |     |
|                          |   |      |                     |                                  |                |                   |                     |   |     |
| 5E1-BC1.M1               | Belt Conveyor                                 | 22   | Ship Receival       | Total Kilowatts                  | 853.10         |                   |                     |   |     |
| 5E1-BW1                  | Belt Scale                                    |      | Ship Receival       | Diversity                        | 0.80           |                   |                     |   |     |
| 5E1-SX1.M1               | Spillage Conveyor                             | 0.75 | Ship Receival       | Total Tonnes                     | 400,000        |                   |                     |   |     |
| 5E1-BC5.M1               | Belt Conveyor (riversible)                    | 9.2  | Ship Receival       | Ship Discharge Tonnes/hr Average | 400.00         |                   |                     |   |     |
| 5E1-SX5.1.M1             | Spillage Conveyor                             | 0.75 | Ship Receival       | Total Hours for Discharge        | 1,000.00       |                   |                     |   |     |
| 5E1-SX5.2.M1             | Spillage Conveyor                             | 0.75 | Ship Receival       | Total kWhrs per annum            | 682,480.00     |                   |                     |   |     |
| 5E1-BC2.M1               | Belt Conveyor                                 | 45   | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-SX2.M1               | Spillage Conveyor                             | 0.75 | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-BC3.M1               | Belt Conveyor                                 | 15   | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-BW2                  | Belt Scale                                    |      | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-SX3.M1               | Spillage Conveyor                             | 0.75 | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-BC6.M1               | Belt Conveyor (riversible)                    | 9.2  | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-SX6.1.M1             | Spillage Conveyor                             | 0.75 | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-SX6.2.M1             | Spillage Conveyor                             | 0.75 | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-BC4.M1               | Belt Conveyor                                 | 22   | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-BW3                  | Belt Scale                                    |      | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-SX4.M1               | Spillage Conveyor                             | 0.75 | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-BC7.M1               | Belt Conveyor (riversible)                    | 9.2  | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-SX7.1.M1             | Spillage Conveyor                             | 0.75 | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-SX7.2.M1             | Spillage Conveyor                             | 0.75 | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-CA1.M1               | Overhead Cranes                               | 357  | Ship Receival       |                                  |                |                   |                     |   |     |
| 5E1-CA2.M1               | Overhead Cranes                               | 357  | Ship Receival       |                                  |                |                   |                     |   |     |
| 511-3B1<br>511-3B1       | Level Monitoring                              |      |                     |                                  |                |                   |                     |   |     |
|                          | Electric Data Analyser Hopper Level           |      | Mill Food           | Total Kilawatta                  | 202.05         | Includes and Over | bood Cuona for food | 1 |     |
| 531-WF1.M1<br>531-WF1.U1 | Dosing Belt Weighing Feeder                   | 5.5  | Mill Feed Mill Feed | Total Kilowatts                  | 382.95<br>0.80 | includes one Over | head Crane for feed |   |     |
| 531-SX1.M1               | Dosing Belt Weighing Feeder Spillage Conveyor | 0.75 | Mill Feed           | Diversity Total Tonnes           | 400,000        |                   |                     |   |     |
| 531-BC2.M1               | Belt Conveyor                                 | 7.5  | Mill Feed           | Mill tph                         | 63.00          |                   |                     |   |     |
| 531-BC2.W1               | Belt Conveyor                                 | 7.5  | Mill Feed           | Total Hours Equipment will Run   | 6,349.21       |                   |                     |   | -+- |
| 531-SX2.M1               | Spillage Conveyor                             | 0.75 | Mill Feed           | Total kWhrs per annum            | 1,945,142.86   |                   |                     |   |     |
| 531-MS1.M1               | Magnetic Separator                            | 1.5  | Mill Feed           | Total KWIIIS per allifulli       | 1,943,142.80   |                   |                     |   |     |
| 531-MT1                  | Metal Detector                                | 1.5  | Mill Feed           |                                  |                |                   |                     |   |     |
| 531-DG1                  | Two-Way Distribution Chute                    |      | Mill Feed           |                                  |                |                   |                     |   |     |
| 531-BC3.M1               | Belt Conveyor                                 | 9.2  | Mill Feed           |                                  |                |                   |                     |   | -+- |
| 531-BC31.U1              | Belt Conveyor                                 | 0.2  | Mill Feed           |                                  |                |                   |                     |   |     |
| 531-SX3.M1               | Spillage Conveyor                             | 0.75 | Mill Feed           |                                  |                |                   |                     |   |     |
|                          | 1 3,  |      |                     |                                  |                |                   |                     |   |     |
| 551-HG1.M1               | Burner Fan Motor                              | 2    | Milling             | Total Kilowatts                  | 2,564.77       |                   |                     |   |     |
| 551-HG1.M1               | Burner Fan                                    | 22   | Milling             | Diversity                        | 0.80           |                   |                     |   |     |
|                          |   |      | -                   | Total Tonnes                     | 400,000        |                   |                     |   |     |
| 561-SC1.M1               | Screw Conveyor                                | 18.5 | Milling             | Mill tph                         | 63.00          |                   |                     |   |     |
|                          | -   |      |                     | Total Hours Equipment will Run   | 6,349.21       |                   |                     |   |     |
| 561-MD1.M1               | Mill motor                                    | 1700 | Milling             | Total kWhrs per annum            | 13,027,423.49  |                   |                     |   |     |
| 561-CR1.M1               | Classifier                                    | 132  | Milling             |                                  |                |                   |                     |   |     |
| 561-CR1.U1               | Classifier converter                          |      | Milling             |                                  |                |                   |                     |   |     |
|                          |   |      |                     |                                  |                |                   |                     |   |     |
|                          |   |      |                     |                                  |                |                   |                     |   |     |
| 562-VT1.M1               | Sealing air fan motor                         | 15   | Milling             |                                  |                |                   |                     |   |     |
| 562-EN1.U1               | Inching drive FC                              |      | Milling             |                                  |                |                   |                     |   |     |

|                    |                                     |       |          |  |  |  | $\overline{}$ |
|--------------------|-------------------------------------|-------|----------|--|--|--|---------------|
| 562-EN1.H1         | Gearbox heating                     | 3     | Milling  |  |  |  |               |
| 562-EN1.M1         | Inching drive motor                 | 3     | Milling  |  |  |  |               |
| 562-EN1.C1         | MGL PS                              | 0.06  | Milling  |  |  |  |               |
| 562-UH1.U1         | HSLM oil pump 1 FC                  |       | Milling  |  |  |  |               |
| 562-UH1.H1         | HSLM oil tank heating               | 1.4   | Milling  |  |  |  |               |
| 562-UH1.M1         | HSLM oil pump 1 motor               | 18.5  | Milling  |  |  |  |               |
| 562-UH1.M2         | HSLM oil pump 1 motor               | 18.5  | Milling  |  |  |  |               |
| 562-UH1.C1         | HSLM oil pump 1 FC PS bus           | 0.1   | Milling  |  |  |  |               |
| 562-UH1.V8         | HSLM solenoid valve 7.11b           | 0.03  | Milling  |  |  |  |               |
| 562-UH1.V7         | HSLM solenoid valve 7.11a           | 0.03  | Milling  |  |  |  |               |
| 562-UH1.VA         | HSLM solenoid valve 7.21b           | 0.03  | Milling  |  |  |  |               |
| 562-UH1.V9         | HSLM solenoid valve 7.21a           | 0.03  | Milling  |  |  |  |               |
| 562-UH1.VB         | HSLM Solenoid valve 7.22            | 0.04  | Milling  |  |  |  |               |
| 562-UH1.V1         | HSLM Solenoid valve 7.2             | 0.02  | Milling  |  |  |  |               |
| 562-UH1.V5         | HSLM Solenoid valve 7.6             | 0.1   | Milling  |  |  |  |               |
| 562-UH1.V4         | HSLM Solenoid valve 7.5             | 0.02  | Milling  |  |  |  |               |
| 562-UH1.V6         | HSLM Solenoid valve 7.10            | 0.02  | Milling  |  |  |  |               |
| 562-UH1.V2         | HSLM Solenoid valve 7.3             | 0.02  | Milling  |  |  |  |               |
| 562-UH1.V3         | HSLM Solenoid valve 7.4             | 0.02  | Milling  |  |  |  |               |
| 562-EN1.U1         | HSAV M PS main                      |       | Milling  |  |  |  | -             |
| 562-EL1.H1         | Heating gearbox                     | 13.5  | Milling  |  |  |  |               |
| 562-EL1.M1         | MGL LP pump motor                   | 22    | Milling  |  |  |  |               |
| 562-EL1.M11        | MGL HP pump 1 motor                 | 5.27  | Milling  |  |  |  |               |
| 562-EL1.M12        | MGL HP pump 2 motor                 | 5.27  | Milling  |  |  |  |               |
| 562-EL1.M13        | MGL HP pump 3 motor                 | 5.27  | Milling  |  |  |  | -             |
| 562-EL1.M14        | MGL HP pump 4 motor                 | 5.27  | Milling  |  |  |  | -             |
| 562-EL1.M21        | MGL bypass pump motor               | 4     | Milling  |  |  |  |               |
| 562-EL1.C1         | MGL oil flow meas. PS               | 0.06  | Milling  |  |  |  | -             |
| 562-EL2.H1         | HSMS oil tank heating               | 2.7   | Milling  |  |  |  | -             |
| 562-EL2.M11        | HSMS suction pump MR1 motor         | 1.1   | Milling  |  |  |  |               |
| 562-EL2.M12        | HSMS delivery pump MR1 motor        | 1.1   | Milling  |  |  |  |               |
| 562-EL2.M21        | HSMS suction pump MR2 motor         | 1.1   | Milling  |  |  |  | -             |
| 562-EL2.M22        | HSMS delivery pump MR2 motor        | 1.1   | Milling  |  |  |  | -             |
| 562-EL8.M1         | Mill grease pump motor              | 0.18  | Milling  |  |  |  |               |
| 562-IN1.U1         | Grind. bed sprinkler pump FC        | 0.10  | Milling  |  |  |  | -             |
| 562-IN1.M1         | Grind. bed sprinkler pump motor     | 1.44  | Milling  |  |  |  | -             |
| 562-IN1.M2         | Gri. bed spr. p. mot. cool. fan mot | 0.093 | Milling  |  |  |  |               |
| 562-IN1.C1         | Grind. bed sprinkler pump FC PS bus | 0.033 | Milling  |  |  |  |               |
| 562-IN1.V1         | Grind. bed sprinkler SV water inlet | 0.03  | Milling  |  |  |  |               |
| 562-IN1.VA         | Grind, bed sprinkler SV water met   | 0.007 | Milling  |  |  |  |               |
| 562-IN1.VB         | Grind, bed sprinkler SV air MR1     | 0.007 | Milling  |  |  |  |               |
| 562-IN1.VC         | Grind, bed sprinkler SV air MR2     | 0.007 | Milling  |  |  |  |               |
| 332 1111.70        | Cinia. 23d opinidor ov dir ivitz    | 0.007 |          |  |  |  |               |
| 561-BC1.M1         | Belt Conveyor                       | 4     | Milling  |  |  |  |               |
| 561-BW1            | Belt Scale                          | +     | Milling  |  |  |  |               |
| 561-SX1.M1         | Spillage Conveyor                   | 0.75  | Milling  |  |  |  |               |
| 561-MS1.M1         | Magnetic Drum Separator             | 1.5   | Milling  |  |  |  |               |
| 30 1-WIS 1.WI I    | Magnetic Drum Separator             | 1.0   | iviiii15 |  |  |  |               |
| 561-BF1.H1         | Bag Filter Heating                  | 22    | Milling  |  |  |  |               |
| 561-EH1.M1         | Service Hoist                       | 0.5   | Milling  |  |  |  |               |
| 561-FN1.M1         | Mill Fan                            | 530   | Milling  |  |  |  |               |
| 561-FN1.U1         | Mill Fan Converter                  | 550   | Milling  |  |  |  |               |
| 561-FN1            | Vibration Monitoring                |       | Milling  |  |  |  |               |
| 561-DA2            | Control Flap "S"                    | 0.5   | Milling  |  |  |  |               |
| 561-DA2<br>561-DA3 | Control Flap "S"                    | 0.5   | Milling  |  |  |  |               |
| อบ I-DA3           | сонионтар к                         | 0.5   | iviiiiig |  |  |  |               |

|             |                              |       | 1                      |  |               |                       |                        |                   | $\overline{}$                                    |
|-------------|------------------------------|-------|------------------------|--|---------------|-----------------------|------------------------|-------------------|--|
| 561-DA4     | Control Flap                 | 0.5   | Milling                |  |               |                       |                        |                   |  |
| 561-DA5     | Control Flap "Z"             | 0.5   | Milling                |  |               |                       |                        |                   |  |
|             |                              |       |                        |  |               |                       |                        |                   |  |
| 591-FN1.M1  | Fan                          | 7.5   | Mill Product Transport | Total Kilowatts                                      | 70.87         |                       |                        |                   |  |
| 591-RF1.M1  | Rotary Valve                 | 5.5   | Mill Product Transport | Diversity  | 0.80          |                       |                        |                   |  |
|             |                              |       |                        | Total Tonnes   | 400,000       |                       |                        |                   |  |
| 591-FN2.M1  | Fan                          | 15    | Mill Product Transport | Mill tph   | 63.00         |                       |                        |                   |  |
| 591-SM1.M1  | Sampling Station             | 2.2   | Mill Product Transport | Total Hours Equipment will Run                       | 6,349.21      |                       |                        |                   |  |
| 591-FN3.M1  | Fan                          | 11    | Mill Product Transport | Total kWhrs per annum                                | 359,974.60    |                       |                        |                   |  |
| 591-RF2.M1  | Rotary Feeder                | 0.37  | Mill Product Transport |  |               |                       |                        |                   |  |
| 591-BE1.M1  | Bucket Elevator              | 15    | Mill Product Transport |  |               |                       |                        |                   |  |
| 591-BE1.M2  | Bucket Elevator              | 1.1   | Mill Product Transport |  |               |                       |                        |                   |  |
| 591-FN4.M1  | Fan                          | 2.2   | Mill Product Transport |  |               |                       |                        |                   |  |
| 591-FN5.M1  | Fan                          | 11    | Mill Product Transport |  |               |                       |                        |                   |  |
|             |                              |       |                        |  |               |                       |                        |                   |  |
| 611-BL1.M1  | Silo Aeration Blower         | 15    | Truck Loading          | Total Kilowatts                                      | 20.34         |                       |                        |                   |  |
| 611-SG1.M1  | Silo Shut-off Gate           | 0.14  | Truck Loading          | Diversity  | 0.80          | Included one weig     | nbridge as calculate h | ours based on     |  |
| 611-DB1.M1  | Destribution Box             | 1.5   | Truck Loading          | Total Tonnes   | 400,000       | one bridge in use,    | gnore loading spout    | as momentary      |  |
|             | 5                            |       | -                      | Truck loading is 27 tonnes every 15mins              |               |                       |                        | ,                 |  |
| 621-PG1.M1  | Proportional Flow Gates      | 0.75  | Truck Loading          | => 108 tonnes per hour                               | 108.00        |                       |                        |                   | 1  |
| 622-PG1.M1  | Proportional Flow Gates      | 0.75  | Truck Loading          | Total Hours Equipment will Run                       | 3,703.70      |                       |                        |                   |  |
| 621-FN1.M1  | Fan                          | 2.2   | Truck Loading          | Total kWhrs per annum                                | 60,266.67     |                       |                        |                   |  |
| 622-FN1.M1  | Fan                          | 2.2   | Truck Loading          |  |               |                       |                        |                   |  |
| 621-LA1.M1  | Truck Loading Spout          | 0.55  | Truck Loading          |  |               |                       |                        |                   |  |
| 621-LA1.M2  | Truck Loading Spout          | 0.37  | Truck Loading          |  |               |                       |                        |                   |  |
| 622-LA1.M1  | Truck Loading Spout          | 0.55  | Truck Loading          |  |               |                       |                        |                   |  |
| 622-LA1.M2  | Truck Loading Spout          | 0.37  | Truck Loading          |  |               |                       |                        |                   |  |
|             |                              |       |                        |  |               |                       |                        |                   |  |
| D30-CP01.M1 | Compressor System            | 37    | Services               | Total Kilowatts                                      | 75.50         | Assume runs for 50    | 0% of time 365 days/   | /ear              |  |
| D30-CP02.M1 | Compressor System (Stand-by) | 37    | Services               | Diversity  | 0.80          | 7.55dille Falls For 5 | ,,,, or time 505 days, | , cu.             |  |
| D01-CL01.M1 | Cooling System               | 5.5   | Services               | Hours in year  | 8,760         |                       |                        |                   |  |
| D01-CL01.M2 | Cooling System               | 11    | Services               | Run only 50% of time                                 | 0.50          |                       |                        |                   | <del>                                     </del> |
| D01-CL01.M3 | Cooling System               | 11    | Services               | Total Hours Equipment will Run                       | 4,380.00      |                       |                        |                   | <del>                                     </del> |
| D01-CL01.M4 | Cooling System               | 11    | Services               | Total kWhrs per annum                                | 264,552.00    |                       |                        |                   | <del>                                     </del> |
| DOT-CLOT.W4 | Cooling System               | - "   | Services               | Total KWIII'S per allifulli                          | 204,332.00    |                       |                        |                   | <del>                                     </del> |
|             |                              |       |                        |  |               |                       |                        |                   | <del>                                     </del> |
|             |                              |       |                        |  |               |                       |                        |                   | <del>                                     </del> |
|             |                              |       |                        |  |               |                       |                        |                   |  |
|             |                              |       |                        |  |               |                       |                        |                   | <del>                                     </del> |
|             |                              |       |                        |  |               |                       |                        |                   | <del>                                     </del> |
|             |                              |       |                        | Total kWhrs nor year                                 | 16 220 820 62 |                       |                        |                   | <del> </del>                                     |
|             |                              |       |                        | Total kWhrs per year                                 | 16,339,839.62 |                       |                        |                   | -  |
|             | Total Commonted USA          | 2.050 |                        | Total BANA/hara man saan                             | 16.260        |                       |                        |                   | -  |
|             | Total Connected kW           | 3,652 | 4                      | Total MWhrs per year                                 | 16,340        |                       |                        |                   | -  |
|             |                              |       |                        |  |               |                       |                        |                   |  |
|             |                              |       |                        |  |               |                       |                        |                   |  |
|             |                              |       |                        |  |               |                       |                        |                   |  |
|             |                              |       |                        | CO <sub>2</sub> emissions - related to power consump | tion          |                       |                        |                   |  |
|             |                              |       |                        |  |               |                       |                        |                   |  |
|             |                              |       |                        | 1.08 kg CO <sub>2-e</sub> /kWhr - Victoria           | 1.08          | Data from Table 7.    | 2 of NGER Technical (  | Guidelines 2017-1 | L8.pdf   |
|             |                              |       |                        |  |               |                       |                        |                   |  |
|             |                              |       |                        |  |               |                       |                        |                   |  |

| Emission savings | from not need  | ling a Drver    |                  |   |                       |              |                       |              |                   |
|------------------|----------------|-----------------|------------------|---|-----------------------|--------------|-----------------------|--------------|-------------------|
|                  |                |                 |                  |   |                       |              |                       |              |                   |
|                  | kW             |                 |                  |   |                       |              |                       |              |                   |
| Feeder           | 2.2            |                 |                  |   |                       |              |                       |              |                   |
| Feed Conveyor    | 7.5            |                 |                  |   |                       |              |                       |              |                   |
| Dryer            | 30             |                 |                  |   |                       |              |                       |              |                   |
| Bucket Elevator  | 22             |                 |                  |   |                       |              |                       |              |                   |
| Process Fan      | 55             |                 |                  |   |                       |              |                       |              |                   |
| Rotary Valve     | 2.2            |                 |                  |   |                       |              |                       |              |                   |
| Screw Returns    | 0.75           |                 |                  |   |                       |              |                       |              |                   |
| Burner           |                | Assume this is  | neutral, require | for both VRM or BM                                    |                       |              |                       |              |                   |
|                  |                |                 |                  |   |                       |              |                       |              |                   |
| Total            | 119.65         |                 |                  | Total Kilowatts                                       | 119.65                |              |                       |              |                   |
|                  |                |                 |                  | Diversity   | 0.80                  |              |                       |              |                   |
|                  |                |                 |                  | Total Tonnes  | 448,000               | Wet Basis    |                       |              |                   |
|                  |                |                 |                  | Match to Mill Tonnes/hr                               | 70.56                 | Wet Basis    | 63 tph Dry            | Basis        |                   |
|                  |                |                 |                  | Total Hours for Drying                                | 6,349.21              |              |                       |              |                   |
|                  |                |                 |                  | Total kWhrs per annum                                 | 607,746               |              |                       |              |                   |
|                  |                |                 |                  | Energy Savings MWhrs                                  | 607.75                |              |                       |              |                   |
|                  |                |                 |                  | CO <sub>2</sub> emissions - saved on power having VRM | I and not needing a D | Oryer        |                       |              |                   |
|                  |                |                 |                  | 1.08 kg CO <sub>2-e</sub> /kWhr - Victoria            | 1.08                  | Data from Ta | able 7.2 of NGER Tecl | nnical Guide | lines 2017-18.pdf |
|                  |                |                 |                  | t CO <sub>2-e</sub> /annum                            | 660                   |              |                       |              |                   |
| Emission savinas | cubetituties C | oment with CCRI | :c               |   |                       |              |                       |              |                   |
| Emission savings | substituting C | ement with GGBI | ·3               | Tonnes of Cement displaced                            | 400,000               |              |                       |              |                   |
|                  |                |                 |                  | Tonnes CO <sub>2</sub> liberated producing Cement     | 0.77                  |              |                       |              |                   |
|                  |                |                 |                  | Tornes co <sub>2</sub> inserated producing certient   | 0.77                  |              |                       |              |                   |
|                  |                |                 |                  | t CO₂/annum   | 308,000               |              |                       |              |                   |
|                  |                |                 |                  |   |                       |              |                       |              |                   |