



# Real Time Data Acquisition And Monitoring

Site Name: Sembcorp Gayatri Power Limited

Report: Average Report

From Date: 14-12-2020T14:15:08Z To Date: 15-12-2020T14:15:08Z

| Description           | MARINE_OUTFALL-TSS(mg/l) | MARINE_OUTFALL-Temperature(Celsius) | MARINE_OUTFALL-pH(pH) |
|-----------------------|--------------------------|-------------------------------------|-----------------------|
| Prescribed Standards  | 0 - 100                  | 0 -                                 | 0 - 14                |
| Maximum Data          | 60.98                    | 29.27                               | 8.08                  |
| Minimum Data          | 20.91                    | 20.85                               | 7.74                  |
| Geometric Mean        | 28.39                    | 27.22                               | 7.94                  |
| Median                | 21.74                    | 27.48                               | 7.94                  |
| Standard Deviation    | 9.9                      | 1.48                                | 0.1                   |
| Maximum Value At Time | 2020-11-04 00:00:00      | 2020-11-04 00:00:00                 | 2020-11-01 00:00:00   |
| Minimum Value At Time | 2020-11-10 00:00:00      | 2020-11-17 00:00:00                 | 2020-11-26 00:00:00   |
| Valid Data Points     | 27                       | 27                                  | 27                    |
| Total Data Points     | 29                       | 29                                  | 29                    |
| Data Availability %   | 93.1%                    | 93.1%                               | 93.1%                 |

| SI No | Time                | MARINE_OUTFALL-TSS(mg/l) | MARINE_OUTFALL-Temperature(Celsius) | MARINE_OUTFALL-pH(pH) |
|-------|---------------------|--------------------------|-------------------------------------|-----------------------|
| 1     | 2020-11-01 00:00:00 | 36.48                    | 27.29                               | 8.08                  |
| 2     | 2020-11-02 00:00:00 | 41.36                    | 27.61                               | 7.90                  |
| 3     | 2020-11-03 00:00:00 | 50.19                    | 28.25                               | 7.98                  |
| 4     | 2020-11-04 00:00:00 | 60.98                    | 29.27                               | 7.94                  |
| 5     | 2020-11-05 00:00:00 | 34.00                    | 27.57                               | 7.93                  |
| 6     | 2020-11-06 00:00:00 | 21.53                    | 27.84                               | 7.97                  |
| 7     | 2020-11-07 00:00:00 | 21.34                    | 28.12                               | 8.05                  |
| 8     | 2020-11-08 00:00:00 | 21.38                    | 28.18                               | 7.83                  |
| 9     | 2020-11-09 00:00:00 | 21.26                    | 27.49                               | 7.75                  |
| 10    | 2020-11-10 00:00:00 | 20.91                    | 26.33                               | 7.96                  |
| 11    | 2020-11-11 00:00:00 | 21.17                    | 26.50                               | 7.99                  |
| 12    | 2020-11-12 00:00:00 | 21.33                    | 26.37                               | 8.04                  |
| 13    | 2020-11-13 00:00:00 | 21.53                    | 27.37                               | 7.94                  |
| 14    | 2020-11-14 00:00:00 | 21.74                    | 28.48                               | 7.86                  |

| SI No | Time                | MARINE_OUTFALL-TSS(mg/l) | MARINE_OUTFALL-Temperature(Celsius) | MARINE_OUTFALL-pH(pH) |
|-------|---------------------|--------------------------|-------------------------------------|-----------------------|
| 15    | 2020-11-15 00:00:00 | 21.46                    | 27.91                               | 7.86                  |
| 16    | 2020-11-16 00:00:00 | 21.32                    | 26.69                               | 8.03                  |
| 17    | 2020-11-17 00:00:00 | 21.21                    | 20.85                               | 8.05                  |
| 18    | 2020-11-18 00:00:00 | 21.11                    | 27.47                               | 8.05                  |
| 19    | 2020-11-19 00:00:00 | 21.07                    | 27.80                               | 8.01                  |
| 20    | 2020-11-20 00:00:00 | 29.21                    | 26.80                               | 7.92                  |
| 21    | 2020-11-21 00:00:00 | 30.84                    | 26.79                               | 7.92                  |
| 22    | 2020-11-22 00:00:00 | 30.71                    | 25.98                               | 7.77                  |
| 23    | 2020-11-23 00:00:00 | 30.67                    | 28.00                               | 7.90                  |
| 24    | 2020-11-24 00:00:00 | 30.95                    | 28.39                               | 7.95                  |
| 25    | 2020-11-25 00:00:00 | 30.85                    | 27.04                               | 7.82                  |
| 26    | 2020-11-26 00:00:00 | 30.76                    | 27.13                               | 7.74                  |
| 27    | 2020-11-27 00:00:00 | NA                       | NA                                  | NA                    |
| 28    | 2020-11-28 00:00:00 | NA                       | NA                                  | NA                    |
| 29    | 2020-11-29 00:00:00 | 31.30                    | 27.48                               | 8.07                  |

Report Details: SGPL | 2020-12-15 14:48:10 | Average Report



# Real Time Data Acquisition And Monitoring

Site Name: Sembcorp Gayatri Power Limited

Report: Average Report

From Date: 01-11-2020T00:00:08Z To Date: 30-11-2020T00:00:08Z

| Description           | Effluent_Treatment-TSS(mg/l) | Effluent_Treatment-Temperature(Celsius) | Effluent_Treatment-pH(pH) |
|-----------------------|------------------------------|---|---------------------------|
| Prescribed Standards  | 0 - 100                      | 0 -                                     | 0 - 14                    |
| Maximum Data          | 9.34                         | 32.94                                   | 8.21                      |
| Minimum Data          | 0.89                         | 25.2                                    | 6.83                      |
| Geometric Mean        | 4.15                         | 29.68                                   | 7.6                       |
| Median                | 3.72                         | 30.31                                   | 7.65                      |
| Standard Deviation    | 2.08                         | 2.16                                    | 0.33                      |
| Maximum Value At Time | 2020-11-12 00:00:00          | 2020-11-03 00:00:00                     | 2020-11-05 00:00:00       |
| Minimum Value At Time | 2020-11-29 00:00:00          | 2020-11-26 00:00:00                     | 2020-11-26 00:00:00       |
| Valid Data Points     | 27                           | 27                                      | 27                        |
| Total Data Points     | 29                           | 29                                      | 29                        |
| Data Availability %   | 93.1%                        | 93.1%                                   | 93.1%                     |

| SI No | Time                | Effluent_Treatment-TSS(mg/l) | Effluent_Treatment-Temperature(Celsius) | Effluent_Treatment-pH(pH) |
|-------|---------------------|------------------------------|---|---------------------------|
| 1     | 2020-11-01 00:00:00 | 5.87                         | 31.33                                   | 7.71                      |
| 2     | 2020-11-02 00:00:00 | 4.63                         | 32.08                                   | 7.77                      |
| 3     | 2020-11-03 00:00:00 | 3.72                         | 32.94                                   | 7.89                      |
| 4     | 2020-11-04 00:00:00 | 4.72                         | 32.30                                   | 8.13                      |
| 5     | 2020-11-05 00:00:00 | 5.11                         | 32.03                                   | 8.21                      |
| 6     | 2020-11-06 00:00:00 | 8.39                         | 32.13                                   | 8.13                      |
| 7     | 2020-11-07 00:00:00 | 4.04                         | 30.65                                   | 7.75                      |
| 8     | 2020-11-08 00:00:00 | 3.61                         | 30.00                                   | 7.59                      |
| 9     | 2020-11-09 00:00:00 | 3.39                         | 31.22                                   | 7.65                      |
| 10    | 2020-11-10 00:00:00 | 3.95                         | 30.77                                   | 7.74                      |
| 11    | 2020-11-11 00:00:00 | 6.67                         | 28.96                                   | 7.90                      |
| 12    | 2020-11-12 00:00:00 | 9.34                         | 26.83                                   | 7.78                      |
| 13    | 2020-11-13 00:00:00 | 7.68                         | 29.05                                   | 7.54                      |
| 14    | 2020-11-14 00:00:00 | 3.52                         | 30.43                                   | 7.65                      |

| SI No | Time                | Effluent_Treatment-TSS(mg/l) | Effluent_Treatment-Temperature(Celsius) | Effluent_Treatment-pH(pH) |
|-------|---------------------|------------------------------|---|---------------------------|
| 15    | 2020-11-15 00:00:00 | 1.66                         | 27.97                                   | 7.42                      |
| 16    | 2020-11-16 00:00:00 | 1.20                         | 26.55                                   | 7.20                      |
| 17    | 2020-11-17 00:00:00 | 3.72                         | 28.01                                   | 7.35                      |
| 18    | 2020-11-18 00:00:00 | 3.76                         | 28.94                                   | 7.46                      |
| 19    | 2020-11-19 00:00:00 | 3.18                         | 30.09                                   | 7.48                      |
| 20    | 2020-11-20 00:00:00 | 3.13                         | 30.64                                   | 7.56                      |
| 21    | 2020-11-21 00:00:00 | 2.25                         | 31.47                                   | 7.70                      |
| 22    | 2020-11-22 00:00:00 | 2.42                         | 30.37                                   | 7.66                      |
| 23    | 2020-11-23 00:00:00 | 2.66                         | 30.31                                   | 7.71                      |
| 24    | 2020-11-24 00:00:00 | 2.63                         | 29.21                                   | 7.42                      |
| 25    | 2020-11-25 00:00:00 | 3.87                         | 26.30                                   | 7.04                      |
| 26    | 2020-11-26 00:00:00 | 5.97                         | 25.20                                   | 6.83                      |
| 27    | 2020-11-27 00:00:00 | NA                           | NA                                      | NA                        |
| 28    | 2020-11-28 00:00:00 | NA                           | NA                                      | NA                        |
| 29    | 2020-11-29 00:00:00 | 0.89                         | 25.56                                   | 6.96                      |

Report Details: SGPL | 2020-12-15 14:48:54 | Average Report



# Real Time Data Acquisition And Monitoring

Site Name: Sembcorp Gayatri Power Limited

Report: Average Report

From Date: 01-11-2020T00:00:08Z To Date: 30-11-2020T00:00:08Z

| Description           | STACK_U1-Hg(mg/m3) | STACK_U1-NOx(mg/Nm3) | STACK_U1-SO2(mg/Nm3) | STACK_U1-SPM(mg/Nm3) |
|-----------------------|--------------------|----------------------|----------------------|----------------------|
| Prescribed Standards  | 0 - 100            | 0 -                  | 0 -                  | 0 - 150              |
| Maximum Data          | NA                 | 439.79               | 65526.98             | 55.94                |
| Minimum Data          | NA                 | 5.37                 | 12.11                | 3.0                  |
| Geometric Mean        | NA                 | 304.35               | 6622.58              | 30.72                |
| Median                | NA                 | 355.97               | 1023.51              | 34.25                |
| Standard Deviation    | NA                 | 136.94               | 16995.85             | 12.13                |
| Maximum Value At Time | NA                 | 2020-11-07 00:00:00  | 2020-11-22 00:00:00  | 2020-11-21 00:00:00  |
| Minimum Value At Time | NA                 | 2020-11-22 00:00:00  | 2020-11-25 00:00:00  | 2020-11-23 00:00:00  |
| Valid Data Points     | 0                  | 29                   | 29                   | 29                   |
| Total Data Points     | 29                 | 29                   | 29                   | 29                   |
| Data Availability %   | 0.0%               | 100.0%               | 100.0%               | 100.0%               |

| SI No | Time                | STACK_U1-Hg(mg/m3) | STACK_U1-NOx(mg/Nm3) | STACK_U1-SO2(mg/Nm3) | STACK_U1-SPM(mg/Nm3) |
|-------|---------------------|--------------------|----------------------|----------------------|----------------------|
| 1     | 2020-11-01 00:00:00 | NA                 | 322.62               | 818.24               | 34.45                |
| 2     | 2020-11-02 00:00:00 | NA                 | 279.72               | 837.31               | 34.59                |
| 3     | 2020-11-03 00:00:00 | NA                 | 253.76               | 845.19               | 34.56                |
| 4     | 2020-11-04 00:00:00 | NA                 | 278.55               | 818.65               | 34.25                |
| 5     | 2020-11-05 00:00:00 | NA                 | 356.71               | 950.14               | 34.28                |
| 6     | 2020-11-06 00:00:00 | NA                 | 416.33               | 1074.62              | 34.77                |
| 7     | 2020-11-07 00:00:00 | NA                 | 439.79               | 1089.02              | 36.50                |
| 8     | 2020-11-08 00:00:00 | NA                 | 411.54               | 1086.66              | 35.42                |
| 9     | 2020-11-09 00:00:00 | NA                 | 405.28               | 999.88               | 38.88                |
| 10    | 2020-11-10 00:00:00 | NA                 | 412.97               | 1055.96              | 38.44                |
| 11    | 2020-11-11 00:00:00 | NA                 | 410.14               | 1059.32              | 36.91                |
| 12    | 2020-11-12 00:00:00 | NA                 | 375.94               | 1070.93              | 38.27                |
| 13    | 2020-11-13 00:00:00 | NA                 | 393.54               | 1031.48              | 33.33                |
| 14    | 2020-11-14 00:00:00 | NA                 | 362.95               | 1023.51              | 32.32                |

| SI No | Time                | STACK_U1-Hg(mg/m3) | STACK_U1-NOx(mg/Nm3) | STACK_U1-SO2(mg/Nm3) | STACK_U1-SPM(mg/Nm3) |
|-------|---------------------|--------------------|----------------------|----------------------|----------------------|
| 15    | 2020-11-15 00:00:00 | NA                 | 426.53               | 923.06               | 30.91                |
| 16    | 2020-11-16 00:00:00 | NA                 | 371.09               | 936.89               | 33.05                |
| 17    | 2020-11-17 00:00:00 | NA                 | 406.56               | 948.45               | 34.40                |
| 18    | 2020-11-18 00:00:00 | NA                 | 396.19               | 1026.99              | 33.89                |
| 19    | 2020-11-19 00:00:00 | NA                 | 355.65               | 1074.45              | 34.93                |
| 20    | 2020-11-20 00:00:00 | NA                 | 355.97               | 1125.65              | 31.98                |
| 21    | 2020-11-21 00:00:00 | NA                 | 225.05               | 21813.96             | 55.94                |
| 22    | 2020-11-22 00:00:00 | NA                 | 5.37                 | 65526.98             | 3.45                 |
| 23    | 2020-11-23 00:00:00 | NA                 | 5.90                 | 65525.71             | 3.00                 |
| 24    | 2020-11-24 00:00:00 | NA                 | 5.95                 | 16578.71             | 3.00                 |
| 25    | 2020-11-25 00:00:00 | NA                 | 5.68                 | 12.11                | 3.00                 |
| 26    | 2020-11-26 00:00:00 | NA                 | 169.88               | 487.71               | 33.72                |
| 27    | 2020-11-27 00:00:00 | NA                 | 332.49               | 642.49               | 28.98                |
| 28    | 2020-11-28 00:00:00 | NA                 | 315.60               | 745.61               | 31.50                |
| 29    | 2020-11-29 00:00:00 | NA                 | 328.34               | 925.02               | 32.16                |

Report Details: SGPL | 2020-12-15 14:49:24 | Average Report



# Real Time Data Acquisition And Monitoring

Site Name: Sembcorp Gayatri Power Limited

Report: Average Report

From Date: 01-11-2020T00:00:08Z To Date: 30-11-2020T00:00:08Z

| Description           | STACK_U2-Hg(mg/m3) | STACK_U2-NOx(mg/Nm3) | STACK_U2-SO2(mg/Nm3) | STACK_U2-SPM(mg/Nm3) |
|-----------------------|--------------------|----------------------|----------------------|----------------------|
| Prescribed Standards  | 0 - 100            | 0 -                  | 0 -                  | 0 - 150              |
| Maximum Data          | NA                 | 488.18               | 1053.37              | 65530.0              |
| Minimum Data          | NA                 | 5.53                 | 5.37                 | 7.21                 |
| Geometric Mean        | NA                 | 348.49               | 723.02               | 5233.07              |
| Median                | NA                 | 403.32               | 789.12               | 36.38                |
| Standard Deviation    | NA                 | 148.95               | 318.01               | 16966.12             |
| Maximum Value At Time | NA                 | 2020-11-17 00:00:00  | 2020-11-24 00:00:00  | 2020-11-09 00:00:00  |
| Minimum Value At Time | NA                 | 2020-11-12 00:00:00  | 2020-11-12 00:00:00  | 2020-11-12 00:00:00  |
| Valid Data Points     | 0                  | 29                   | 29                   | 29                   |
| Total Data Points     | 29                 | 29                   | 29                   | 29                   |
| Data Availability %   | 0.0%               | 100.0%               | 100.0%               | 100.0%               |

| SI No | Time                | STACK_U2-Hg(mg/m3) | STACK_U2-NOx(mg/Nm3) | STACK_U2-SO2(mg/Nm3) | STACK_U2-SPM(mg/Nm3) |
|-------|---------------------|--------------------|----------------------|----------------------|----------------------|
| 1     | 2020-11-01 00:00:00 | NA                 | 361.15               | 745.54               | 19.25                |
| 2     | 2020-11-02 00:00:00 | NA                 | 386.50               | 789.56               | 18.01                |
| 3     | 2020-11-03 00:00:00 | NA                 | 378.97               | 789.12               | 19.95                |
| 4     | 2020-11-04 00:00:00 | NA                 | 297.95               | 753.77               | 21.32                |
| 5     | 2020-11-05 00:00:00 | NA                 | 318.90               | 784.80               | 20.93                |
| 6     | 2020-11-06 00:00:00 | NA                 | 404.64               | 913.24               | 22.65                |
| 7     | 2020-11-07 00:00:00 | NA                 | 406.47               | 1032.17              | 25.68                |
| 8     | 2020-11-08 00:00:00 | NA                 | 233.25               | 560.52               | 15795.27             |
| 9     | 2020-11-09 00:00:00 | NA                 | 22.00                | 16.99                | 65530.00             |
| 10    | 2020-11-10 00:00:00 | NA                 | 22.00                | 17.00                | 65530.00             |
| 11    | 2020-11-11 00:00:00 | NA                 | 6.04                 | 5.74                 | 4006.49              |
| 12    | 2020-11-12 00:00:00 | NA                 | 5.53                 | 5.37                 | 7.21                 |
| 13    | 2020-11-13 00:00:00 | NA                 | 360.92               | 849.02               | 40.50                |
| 14    | 2020-11-14 00:00:00 | NA                 | 328.99               | 663.83               | 125.57               |

| SI No | Time                | STACK_U2-Hg(mg/m3) | STACK_U2-NOx(mg/Nm3) | STACK_U2-SO2(mg/Nm3) | STACK_U2-SPM(mg/Nm3) |
|-------|---------------------|--------------------|----------------------|----------------------|----------------------|
| 15    | 2020-11-15 00:00:00 | NA                 | 477.34               | 820.73               | 35.56                |
| 16    | 2020-11-16 00:00:00 | NA                 | 410.06               | 770.54               | 36.38                |
| 17    | 2020-11-17 00:00:00 | NA                 | 488.18               | 774.04               | 35.99                |
| 18    | 2020-11-18 00:00:00 | NA                 | 449.68               | 884.87               | 36.79                |
| 19    | 2020-11-19 00:00:00 | NA                 | 446.79               | 899.93               | 35.81                |
| 20    | 2020-11-20 00:00:00 | NA                 | 486.43               | 998.48               | 36.17                |
| 21    | 2020-11-21 00:00:00 | NA                 | 438.85               | 972.30               | 37.04                |
| 22    | 2020-11-22 00:00:00 | NA                 | 483.67               | 1005.91              | 36.34                |
| 23    | 2020-11-23 00:00:00 | NA                 | 403.32               | 969.73               | 36.19                |
| 24    | 2020-11-24 00:00:00 | NA                 | 395.58               | 1053.37              | 37.05                |
| 25    | 2020-11-25 00:00:00 | NA                 | 485.02               | 1047.77              | 43.80                |
| 26    | 2020-11-26 00:00:00 | NA                 | 433.96               | 673.70               | 44.74                |
| 27    | 2020-11-27 00:00:00 | NA                 | 427.44               | 551.83               | 41.24                |
| 28    | 2020-11-28 00:00:00 | NA                 | 411.77               | 779.93               | 40.51                |
| 29    | 2020-11-29 00:00:00 | NA                 | 334.68               | 837.68               | 42.55                |

**Report Details:** SGPL | 2020-12-15 14:49:41 | Average Report





# Real Time Data Acquisition And Monitoring

Site Name: Sembcorp Gayatri Power Limited

Report: Average Report

From Date: 01-11-2020T00:00:08Z To Date: 30-11-2020T00:00:08Z

| Description           | Fire_station-CO(mg/m3) | Fire_station-NOx(ug/m3) | Fire_station-PM2.5(ug/m3) | Fire_station-PM10(ug/m3) | Fire_station-SO2(ug/m3) |
|-----------------------|------------------------|-------------------------|---------------------------|--------------------------|-------------------------|
| Prescribed Standards  | 0 - 4                  | 0 - 80                  | 0 - 60                    | 0 - 100                  | 0 - 80                  |
| Maximum Data          | 0.68                   | 11.32                   | 19.06                     | 39.97                    | 8.07                    |
| Minimum Data          | 0.32                   | 0.7                     | 1.26                      | 0.79                     | 6.4                     |
| Geometric Mean        | 0.54                   | 4.55                    | 7.76                      | 14.22                    | 7.19                    |
| Median                | 0.54                   | 4.62                    | 5.52                      | 8.42                     | 7.14                    |
| Standard Deviation    | 0.08                   | 1.76                    | 5.65                      | 12.42                    | 0.51                    |
| Maximum Value At Time | 2020-11-01 00:00:00    | 2020-11-16 00:00:00     | 2020-11-01 00:00:00       | 2020-11-01 00:00:00      | 2020-11-28 00:00:00     |
| Minimum Value At Time | 2020-11-29 00:00:00    | 2020-11-01 00:00:00     | 2020-11-27 00:00:00       | 2020-11-29 00:00:00      | 2020-11-07 00:00:00     |
| Valid Data Points     | 29                     | 29                      | 29                        | 29                       | 29                      |
| Total Data Points     | 29                     | 29                      | 29                        | 29                       | 29                      |
| Data Availability %   | 100.0%                 | 100.0%                  | 100.0%                    | 100.0%                   | 100.0%                  |

| Sl No | Time                | Fire_station-CO(mg/m3) | Fire_station-NOx(ug/m3) | Fire_station-PM2.5(ug/m3) | Fire_station-PM10(ug/m3) | Fire_station-SO2(ug/m3) |
|-------|---------------------|------------------------|-------------------------|---------------------------|--------------------------|-------------------------|
| 1     | 2020-11-01 00:00:00 | 0.68                   | 0.70                    | 19.06                     | 39.97                    | 6.51                    |
| 2     | 2020-11-02 00:00:00 | 0.66                   | 1.53                    | 18.82                     | 38.40                    | 6.84                    |
| 3     | 2020-11-03 00:00:00 | 0.65                   | 5.23                    | 14.73                     | 31.92                    | 6.65                    |
| 4     | 2020-11-04 00:00:00 | 0.54                   | 4.62                    | 7.60                      | 16.57                    | 6.71                    |
| 5     | 2020-11-05 00:00:00 | 0.58                   | 4.67                    | 9.75                      | 20.72                    | 6.85                    |
| 6     | 2020-11-06 00:00:00 | 0.42                   | 4.75                    | 2.43                      | 6.74                     | 6.41                    |
| 7     | 2020-11-07 00:00:00 | 0.44                   | 5.11                    | 3.60                      | 10.37                    | 6.40                    |
| 8     | 2020-11-08 00:00:00 | 0.64                   | 4.60                    | 16.03                     | 31.40                    | 6.83                    |
| 9     | 2020-11-09 00:00:00 | 0.64                   | 4.58                    | 15.11                     | 31.21                    | 6.61                    |
| 10    | 2020-11-10 00:00:00 | 0.67                   | 4.74                    | 15.53                     | 32.19                    | 7.27                    |
| 11    | 2020-11-11 00:00:00 | 0.62                   | 4.86                    | 10.77                     | 22.28                    | 7.12                    |
| 12    | 2020-11-12 00:00:00 | 0.49                   | 5.19                    | 1.77                      | 4.25                     | 6.75                    |
| 13    | 2020-11-13 00:00:00 | 0.47                   | 4.62                    | 2.48                      | 6.13                     | 7.53                    |

| SI No | Time                | Fire_station-CO(mg/m3) | Fire_station-NOx(ug/m3) | Fire_station-PM2.5(ug/m3) | Fire_station-PM10(ug/m3) | Fire_station-SO2(ug/m3) |
|-------|---------------------|------------------------|-------------------------|---------------------------|--------------------------|-------------------------|
| 14    | 2020-11-14 00:00:00 | 0.52                   | 4.52                    | 7.37                      | 13.19                    | 7.14                    |
| 15    | 2020-11-15 00:00:00 | 0.49                   | 4.64                    | 3.12                      | 7.12                     | 6.97                    |
| 16    | 2020-11-16 00:00:00 | 0.58                   | 11.32                   | 10.57                     | 30.03                    | 6.94                    |
| 17    | 2020-11-17 00:00:00 | 0.52                   | 4.88                    | 3.72                      | 8.42                     | 6.85                    |
| 18    | 2020-11-18 00:00:00 | 0.54                   | 5.29                    | 2.60                      | 4.44                     | 7.23                    |
| 19    | 2020-11-19 00:00:00 | 0.49                   | 4.69                    | 2.07                      | 2.76                     | 7.24                    |
| 20    | 2020-11-20 00:00:00 | 0.48                   | 5.43                    | 4.02                      | 4.44                     | 7.26                    |
| 21    | 2020-11-21 00:00:00 | 0.49                   | 4.18                    | 3.80                      | 3.98                     | 8.06                    |
| 22    | 2020-11-22 00:00:00 | 0.53                   | 4.04                    | 5.26                      | 6.94                     | 7.76                    |
| 23    | 2020-11-23 00:00:00 | 0.57                   | 3.26                    | 9.41                      | 10.56                    | 7.71                    |
| 24    | 2020-11-24 00:00:00 | 0.62                   | 3.43                    | 13.21                     | 14.81                    | 7.71                    |
| 25    | 2020-11-25 00:00:00 | 0.54                   | 3.20                    | 5.52                      | 5.87                     | 7.67                    |
| 26    | 2020-11-26 00:00:00 | 0.52                   | 3.24                    | 2.64                      | 2.68                     | 7.67                    |
| 27    | 2020-11-27 00:00:00 | 0.53                   | 4.03                    | 1.26                      | 2.15                     | 7.77                    |
| 28    | 2020-11-28 00:00:00 | 0.56                   | 3.71                    | 1.96                      | 2.08                     | 8.07                    |
| 29    | 2020-11-29 00:00:00 | 0.32                   | 6.96                    | 10.90                     | 0.79                     | 7.99                    |

**Report Details:** SGPL | 2020-12-15 14:50:04 | Average Report



# Real Time Data Acquisition And Monitoring

Site Name: Sembcorp Gayatri Power Limited

Report: Average Report

From Date: 01-11-2020T00:00:08Z To Date: 30-11-2020T00:00:08Z

| Description           | Field_Hostel-CO(ppm) | Field_Hostel-NOx(ug/m3) | Field_Hostel-PM2.5(ug/Nm3) | Field_Hostel-PM10(ug/Nm3) | Field_Hostel-SO2(ug/m3) |
|-----------------------|----------------------|-------------------------|----------------------------|---------------------------|-------------------------|
| Prescribed Standards  | 0 - 100              | 0 - 100                 | 0 - 100                    | 0 - 100                   | 0 - 100                 |
| Maximum Data          | 1.76                 | 10.5                    | 24.83                      | 37.41                     | 1.93                    |
| Minimum Data          | 1.63                 | 1.94                    | 1.77                       | 3.45                      | 0.41                    |
| Geometric Mean        | 1.68                 | 6.24                    | 8.58                       | 13.57                     | 1.2                     |
| Median                | 1.66                 | 5.37                    | 3.89                       | 7.15                      | 1.32                    |
| Standard Deviation    | 0.04                 | 2.29                    | 7.67                       | 11.07                     | 0.38                    |
| Maximum Value At Time | 2020-11-01 00:00:00  | 2020-11-28 00:00:00     | 2020-11-01 00:00:00        | 2020-11-01 00:00:00       | 2020-11-24 00:00:00     |
| Minimum Value At Time | 2020-11-25 00:00:00  | 2020-11-01 00:00:00     | 2020-11-12 00:00:00        | 2020-11-12 00:00:00       | 2020-11-06 00:00:00     |
| Valid Data Points     | 29                   | 29                      | 29                         | 29                        | 29                      |
| Total Data Points     | 29                   | 29                      | 29                         | 29                        | 29                      |
| Data Availability %   | 100.0%               | 100.0%                  | 100.0%                     | 100.0%                    | 100.0%                  |

| Sl No | Time                | Field_Hostel-CO(ppm) | Field_Hostel-NOx(ug/m3) | Field_Hostel-PM2.5(ug/Nm3) | Field_Hostel-PM10(ug/Nm3) | Field_Hostel-SO2(ug/m3) |
|-------|---------------------|----------------------|-------------------------|----------------------------|---------------------------|-------------------------|
| 1     | 2020-11-01 00:00:00 | 1.76                 | 1.94                    | 24.83                      | 37.41                     | 1.02                    |
| 2     | 2020-11-02 00:00:00 | 1.76                 | 2.27                    | 24.17                      | 35.64                     | 0.83                    |
| 3     | 2020-11-03 00:00:00 | 1.76                 | 8.42                    | 18.91                      | 27.78                     | 0.66                    |
| 4     | 2020-11-04 00:00:00 | 1.70                 | 4.98                    | 8.89                       | 12.65                     | 0.45                    |
| 5     | 2020-11-05 00:00:00 | 1.72                 | 5.37                    | 11.38                      | 17.29                     | 0.69                    |
| 6     | 2020-11-06 00:00:00 | 1.64                 | 4.67                    | 2.15                       | 4.23                      | 0.41                    |
| 7     | 2020-11-07 00:00:00 | 1.64                 | 4.68                    | 3.68                       | 6.25                      | 0.58                    |
| 8     | 2020-11-08 00:00:00 | 1.74                 | 5.09                    | 22.01                      | 34.21                     | 1.67                    |
| 9     | 2020-11-09 00:00:00 | 1.72                 | 5.33                    | 19.49                      | 29.22                     | 1.53                    |
| 10    | 2020-11-10 00:00:00 | 1.73                 | 6.92                    | 19.43                      | 30.41                     | 1.41                    |
| 11    | 2020-11-11 00:00:00 | 1.71                 | 6.07                    | 13.67                      | 21.23                     | 1.45                    |
| 12    | 2020-11-12 00:00:00 | 1.65                 | 5.33                    | 1.77                       | 3.45                      | 0.94                    |
| 13    | 2020-11-13 00:00:00 | 1.65                 | 5.55                    | 2.89                       | 5.71                      | 1.01                    |

| SI No | Time                | Field_Hostel-CO(ppm) | Field_Hostel-NOx(ug/m3) | Field_Hostel-PM2.5(ug/Nm3) | Field_Hostel-PM10(ug/Nm3) | Field_Hostel-SO2(ug/m3) |
|-------|---------------------|----------------------|-------------------------|----------------------------|---------------------------|-------------------------|
| 14    | 2020-11-14 00:00:00 | 1.68                 | 5.91                    | 7.07                       | 13.67                     | 1.25                    |
| 15    | 2020-11-15 00:00:00 | 1.65                 | 4.50                    | 3.23                       | 6.08                      | 1.10                    |
| 16    | 2020-11-16 00:00:00 | 1.64                 | 4.91                    | 2.06                       | 5.06                      | 1.05                    |
| 17    | 2020-11-17 00:00:00 | 1.65                 | 7.20                    | 3.33                       | 5.82                      | 1.20                    |
| 18    | 2020-11-18 00:00:00 | 1.65                 | 9.30                    | 2.74                       | 7.15                      | 1.32                    |
| 19    | 2020-11-19 00:00:00 | 1.65                 | 9.34                    | 3.03                       | 5.48                      | 1.27                    |
| 20    | 2020-11-20 00:00:00 | 1.64                 | 9.08                    | 3.17                       | 5.80                      | 1.33                    |
| 21    | 2020-11-21 00:00:00 | 1.65                 | 9.31                    | 4.53                       | 6.93                      | 1.32                    |
| 22    | 2020-11-22 00:00:00 | 1.66                 | 8.98                    | 6.21                       | 9.95                      | 1.43                    |
| 23    | 2020-11-23 00:00:00 | 1.69                 | 4.06                    | 10.71                      | 13.90                     | 1.63                    |
| 24    | 2020-11-24 00:00:00 | 1.71                 | 3.66                    | 15.56                      | 21.90                     | 1.93                    |
| 25    | 2020-11-25 00:00:00 | 1.63                 | 4.66                    | 2.37                       | 4.08                      | 1.36                    |
| 26    | 2020-11-26 00:00:00 | 1.65                 | 5.14                    | 2.71                       | 8.96                      | 1.36                    |
| 27    | 2020-11-27 00:00:00 | 1.64                 | 8.87                    | 1.77                       | 3.76                      | 1.54                    |
| 28    | 2020-11-28 00:00:00 | 1.66                 | 10.50                   | 3.28                       | 4.77                      | 1.50                    |
| 29    | 2020-11-29 00:00:00 | 1.70                 | 8.93                    | 3.89                       | 4.84                      | 1.58                    |

**Report Details:** SGPL | 2020-12-15 14:50:20 | Average Report



# Real Time Data Acquisition And Monitoring

Site Name: Sembcorp Gayatri Power Limited

Report: Average Report

From Date: 01-11-2020T00:00:08Z To Date: 30-11-2020T00:00:08Z

| Description           | Field_Hostel-CO(ppm) | Field_Hostel-NOx(ug/m3) | Field_Hostel-PM2.5(ug/Nm3) | Field_Hostel-PM10(ug/Nm3) | Field_Hostel-SO2(ug/m3) |
|-----------------------|----------------------|-------------------------|----------------------------|---------------------------|-------------------------|
| Prescribed Standards  | 0 - 100              | 0 - 100                 | 0 - 100                    | 0 - 100                   | 0 - 100                 |
| Maximum Data          | 1.76                 | 10.5                    | 24.83                      | 37.41                     | 1.93                    |
| Minimum Data          | 1.63                 | 1.94                    | 1.77                       | 3.45                      | 0.41                    |
| Geometric Mean        | 1.68                 | 6.24                    | 8.58                       | 13.57                     | 1.2                     |
| Median                | 1.66                 | 5.37                    | 3.89                       | 7.15                      | 1.32                    |
| Standard Deviation    | 0.04                 | 2.29                    | 7.67                       | 11.07                     | 0.38                    |
| Maximum Value At Time | 2020-11-01 00:00:00  | 2020-11-28 00:00:00     | 2020-11-01 00:00:00        | 2020-11-01 00:00:00       | 2020-11-24 00:00:00     |
| Minimum Value At Time | 2020-11-25 00:00:00  | 2020-11-01 00:00:00     | 2020-11-12 00:00:00        | 2020-11-12 00:00:00       | 2020-11-06 00:00:00     |
| Valid Data Points     | 29                   | 29                      | 29                         | 29                        | 29                      |
| Total Data Points     | 29                   | 29                      | 29                         | 29                        | 29                      |
| Data Availability %   | 100.0%               | 100.0%                  | 100.0%                     | 100.0%                    | 100.0%                  |

| Sl No | Time                | Field_Hostel-CO(ppm) | Field_Hostel-NOx(ug/m3) | Field_Hostel-PM2.5(ug/Nm3) | Field_Hostel-PM10(ug/Nm3) | Field_Hostel-SO2(ug/m3) |
|-------|---------------------|----------------------|-------------------------|----------------------------|---------------------------|-------------------------|
| 1     | 2020-11-01 00:00:00 | 1.76                 | 1.94                    | 24.83                      | 37.41                     | 1.02                    |
| 2     | 2020-11-02 00:00:00 | 1.76                 | 2.27                    | 24.17                      | 35.64                     | 0.83                    |
| 3     | 2020-11-03 00:00:00 | 1.76                 | 8.42                    | 18.91                      | 27.78                     | 0.66                    |
| 4     | 2020-11-04 00:00:00 | 1.70                 | 4.98                    | 8.89                       | 12.65                     | 0.45                    |
| 5     | 2020-11-05 00:00:00 | 1.72                 | 5.37                    | 11.38                      | 17.29                     | 0.69                    |
| 6     | 2020-11-06 00:00:00 | 1.64                 | 4.67                    | 2.15                       | 4.23                      | 0.41                    |
| 7     | 2020-11-07 00:00:00 | 1.64                 | 4.68                    | 3.68                       | 6.25                      | 0.58                    |
| 8     | 2020-11-08 00:00:00 | 1.74                 | 5.09                    | 22.01                      | 34.21                     | 1.67                    |
| 9     | 2020-11-09 00:00:00 | 1.72                 | 5.33                    | 19.49                      | 29.22                     | 1.53                    |
| 10    | 2020-11-10 00:00:00 | 1.73                 | 6.92                    | 19.43                      | 30.41                     | 1.41                    |
| 11    | 2020-11-11 00:00:00 | 1.71                 | 6.07                    | 13.67                      | 21.23                     | 1.45                    |
| 12    | 2020-11-12 00:00:00 | 1.65                 | 5.33                    | 1.77                       | 3.45                      | 0.94                    |
| 13    | 2020-11-13 00:00:00 | 1.65                 | 5.55                    | 2.89                       | 5.71                      | 1.01                    |

| SI No | Time                | Field_Hostel-CO(ppm) | Field_Hostel-NOx(ug/m3) | Field_Hostel-PM2.5(ug/Nm3) | Field_Hostel-PM10(ug/Nm3) | Field_Hostel-SO2(ug/m3) |
|-------|---------------------|----------------------|-------------------------|----------------------------|---------------------------|-------------------------|
| 14    | 2020-11-14 00:00:00 | 1.68                 | 5.91                    | 7.07                       | 13.67                     | 1.25                    |
| 15    | 2020-11-15 00:00:00 | 1.65                 | 4.50                    | 3.23                       | 6.08                      | 1.10                    |
| 16    | 2020-11-16 00:00:00 | 1.64                 | 4.91                    | 2.06                       | 5.06                      | 1.05                    |
| 17    | 2020-11-17 00:00:00 | 1.65                 | 7.20                    | 3.33                       | 5.82                      | 1.20                    |
| 18    | 2020-11-18 00:00:00 | 1.65                 | 9.30                    | 2.74                       | 7.15                      | 1.32                    |
| 19    | 2020-11-19 00:00:00 | 1.65                 | 9.34                    | 3.03                       | 5.48                      | 1.27                    |
| 20    | 2020-11-20 00:00:00 | 1.64                 | 9.08                    | 3.17                       | 5.80                      | 1.33                    |
| 21    | 2020-11-21 00:00:00 | 1.65                 | 9.31                    | 4.53                       | 6.93                      | 1.32                    |
| 22    | 2020-11-22 00:00:00 | 1.66                 | 8.98                    | 6.21                       | 9.95                      | 1.43                    |
| 23    | 2020-11-23 00:00:00 | 1.69                 | 4.06                    | 10.71                      | 13.90                     | 1.63                    |
| 24    | 2020-11-24 00:00:00 | 1.71                 | 3.66                    | 15.56                      | 21.90                     | 1.93                    |
| 25    | 2020-11-25 00:00:00 | 1.63                 | 4.66                    | 2.37                       | 4.08                      | 1.36                    |
| 26    | 2020-11-26 00:00:00 | 1.65                 | 5.14                    | 2.71                       | 8.96                      | 1.36                    |
| 27    | 2020-11-27 00:00:00 | 1.64                 | 8.87                    | 1.77                       | 3.76                      | 1.54                    |
| 28    | 2020-11-28 00:00:00 | 1.66                 | 10.50                   | 3.28                       | 4.77                      | 1.50                    |
| 29    | 2020-11-29 00:00:00 | 1.70                 | 8.93                    | 3.89                       | 4.84                      | 1.58                    |

**Report Details:** SGPL | 2020-12-15 14:50:39 | Average Report



# Real Time Data Acquisition And Monitoring

Site Name: Sembcorp Gayatri Power Limited

Report: Average Report

From Date: 01-11-2020T00:00:08Z To Date: 30-11-2020T00:00:08Z

| Description           | Near_Isukuduru_Village_Gate-NOx(ug/m3) | Near_Isukuduru_Village_Gate-PM2.5(ug/m3) | Near_Isukuduru_Village_Gate-PM10(ug/m3) | Near_Isukuduru_Village_Gate-SO2(ug/m3) |
|-----------------------|--|--|---|--|
| Prescribed Standards  | 0 - 80                                 | 0 - 60                                   | 0 - 100                                 | 0 - 80                                 |
| Maximum Data          | 199.77                                 | 51.86                                    | 50.51                                   | 4.76                                   |
| Minimum Data          | 0.89                                   | 5.36                                     | 4.68                                    | 2.94                                   |
| Geometric Mean        | 18.09                                  | 15.06                                    | 18.29                                   | 3.85                                   |
| Median                | 2.31                                   | 10.19                                    | 11.91                                   | 3.8                                    |
| Standard Deviation    | 51.03                                  | 11.39                                    | 13.73                                   | 0.54                                   |
| Maximum Value At Time | 2020-11-08 00:00:00                    | 2020-11-08 00:00:00                      | 2020-11-08 00:00:00                     | 2020-11-29 00:00:00                    |
| Minimum Value At Time | 2020-11-26 00:00:00                    | 2020-11-28 00:00:00                      | 2020-11-20 00:00:00                     | 2020-11-01 00:00:00                    |
| Valid Data Points     | 29                                     | 29                                       | 29                                      | 29                                     |
| Total Data Points     | 29                                     | 29                                       | 29                                      | 29                                     |
| Data Availability %   | 100.0%                                 | 100.0%                                   | 100.0%                                  | 100.0%                                 |

| Sl No | Time                | Near_Isukuduru_Village_Gate-NOx(ug/m3) | Near_Isukuduru_Village_Gate-PM2.5(ug/m3) | Near_Isukuduru_Village_Gate-PM10(ug/m3) | Near_Isukuduru_Village_Gate-SO2(ug/m3) |
|-------|---------------------|--|--|---|--|
| 1     | 2020-11-01 00:00:00 | 3.55                                   | 27.33                                    | 45.36                                   | 2.94                                   |
| 2     | 2020-11-02 00:00:00 | 2.87                                   | 27.90                                    | 41.53                                   | 2.97                                   |
| 3     | 2020-11-03 00:00:00 | 3.18                                   | 22.51                                    | 34.90                                   | 3.10                                   |
| 4     | 2020-11-04 00:00:00 | 1.91                                   | 11.12                                    | 13.92                                   | 3.30                                   |
| 5     | 2020-11-05 00:00:00 | 2.37                                   | 15.53                                    | 23.35                                   | 3.23                                   |
| 6     | 2020-11-06 00:00:00 | 22.69                                  | 16.65                                    | 10.54                                   | 3.01                                   |
| 7     | 2020-11-07 00:00:00 | 198.94                                 | 30.01                                    | 24.14                                   | 3.27                                   |
| 8     | 2020-11-08 00:00:00 | 199.77                                 | 51.86                                    | 50.51                                   | 3.80                                   |
| 9     | 2020-11-09 00:00:00 | 47.47                                  | 19.29                                    | 38.99                                   | 3.76                                   |
| 10    | 2020-11-10 00:00:00 | 3.83                                   | 24.59                                    | 36.45                                   | 3.78                                   |

| Sl No | Time                | Near_Isukuduru_Village_Gate-NOx(ug/m3) | Near_Isukuduru_Village_Gate-PM2.5(ug/m3) | Near_Isukuduru_Village_Gate-PM10(ug/m3) | Near_Isukuduru_Village_Gate-SO2(ug/m3) |
|-------|---------------------|--|--|---|--|
| 11    | 2020-11-11 00:00:00 | 3.07                                   | 16.20                                    | 23.41                                   | 3.73                                   |
| 12    | 2020-11-12 00:00:00 | 2.30                                   | 6.82                                     | 6.18                                    | 3.66                                   |
| 13    | 2020-11-13 00:00:00 | 2.02                                   | 6.05                                     | 6.63                                    | 3.73                                   |
| 14    | 2020-11-14 00:00:00 | 2.17                                   | 13.22                                    | 16.32                                   | 3.54                                   |
| 15    | 2020-11-15 00:00:00 | 1.59                                   | 6.02                                     | 8.13                                    | 3.64                                   |
| 16    | 2020-11-16 00:00:00 | 1.98                                   | 6.35                                     | 5.95                                    | 3.82                                   |
| 17    | 2020-11-17 00:00:00 | 2.58                                   | 6.97                                     | 8.22                                    | 3.83                                   |
| 18    | 2020-11-18 00:00:00 | 2.31                                   | 6.73                                     | 5.45                                    | 3.93                                   |
| 19    | 2020-11-19 00:00:00 | 2.29                                   | 6.43                                     | 7.60                                    | 4.03                                   |
| 20    | 2020-11-20 00:00:00 | 2.42                                   | 6.14                                     | 4.68                                    | 4.15                                   |
| 21    | 2020-11-21 00:00:00 | 3.61                                   | 8.09                                     | 10.77                                   | 4.06                                   |
| 22    | 2020-11-22 00:00:00 | 1.92                                   | 10.19                                    | 11.91                                   | 4.31                                   |
| 23    | 2020-11-23 00:00:00 | 2.45                                   | 37.52                                    | 20.07                                   | 4.41                                   |
| 24    | 2020-11-24 00:00:00 | 1.99                                   | 19.40                                    | 28.71                                   | 4.33                                   |
| 25    | 2020-11-25 00:00:00 | 1.41                                   | 9.94                                     | 14.89                                   | 4.48                                   |
| 26    | 2020-11-26 00:00:00 | 0.89                                   | 5.38                                     | 9.64                                    | 4.56                                   |
| 27    | 2020-11-27 00:00:00 | 0.99                                   | 6.60                                     | 5.61                                    | 4.68                                   |
| 28    | 2020-11-28 00:00:00 | 1.13                                   | 5.36                                     | 7.28                                    | 4.75                                   |
| 29    | 2020-11-29 00:00:00 | 0.99                                   | 6.48                                     | 9.39                                    | 4.76                                   |

Report Details: SGPL | 2020-12-15 14:50:54 | Average Report